

SEARCH REQUEST FORM

Requestor's
Name: _____

Serial
Number: _____

Date: _____

Phone: _____

Art Unit: _____

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

STAFF USE ONLY

Date completed: 2/23

Searcher: D. Schaefer 272-2526

Terminal time: 29

Elapsed time: 19

CPU time: _____

Total time: _____

Number of Searches: _____

Number of Databases: _____

Search Site

_____ STIC

_____ CM-T *Rems. EOI*

_____ Pre-S

Type of Search

_____ N.A. Sequence

17 A.A. Sequence

_____ Structure

_____ Bibliographic

Vendors

✓ IG *Genet*

_____ STN

_____ Dialog

_____ APS

_____ Geninfo

_____ SDC

_____ DARC/Questel

✓ Other *Genet*

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114932

Schreiber, David

From: Pak, Michael
Sent: Friday, February 20, 2004 11:22 AM
To: Schreiber, David
Cc: Yu, Misook
Subject: FW: 09/499,662

Dear David,
Please search the multiple sequence search request set forth below. The serial number in the original request is incorrect. Please note change to the serial number.

Mike Pak

-----Original Message-----

From: Yu, Misook
Sent: Friday, February 20, 2004 11:14 AM
To: Pak, Michael
Subject: RE: 09/499,662

Sorry, it is **09/499,662**

Examiner Misook Yu, Ph.D.
571-272-0839 (Phone)
Art Unit 1642
REM-3A18 (Room)
REM-3C18 (Mail Box)

-----Original Message-----

From: Pak, Michael
Sent: Friday, February 20, 2004 10:48 AM
To: Yu, Misook
Subject: RE: 09/499,663

The serial number doesn't look right.

Mike Pak
Michael Pak
USPTO
Art Unit 1646
Room: Remsen 4E75
Mailbox: Remsen 4C70
571-272-0879

-----Original Message-----

From: Yu, Misook
Sent: Friday, February 20, 2004 10:26 AM
To: Pak, Michael
Cc: Schreiber, David
Subject: 09/499,663

Plse approve search for more than 10 sequences and forward it to David Schreiber. thank you.

For David, pls do interference search only for

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1. SEQ ID NO:2-(X, 14 aa)-SEQ ID NO:3-(X, 32 aa)-SEQ ID NO:4 (these seq ids are all small peptides).

2. SEQ ID NO:5-(x, 15 aa)-SEQ ID NO:6-(x, 32 aa)-SEQ ID NO:7 (these seq ids are all small peptides).

3. SEQ ID NOs 50, 52, 54, 89, 107, 109, 117, 127, 129, 131, 143, 145, 147, 157 (These are either 238 aa or 470 aa).

4. SEQ ID NO:1 (10 aa)

Examiner Misook Yu, Ph.D.
571-272-0839 (Phone)
Art Unit 1642
REM-3A18 (Room)
REM-3C18 (Mail Box)

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[illegible]

Query Match	100.0%;	Score 238;	DB 12;	Length 238;
Best Local Similarity	27.9%;	Pred. No. 1.6e-05;		
Matches	31;	Conservative	80;	Mismatches 0;
		Indels	0;	Gaps 0

```

:
: LENGTH: 238
: TYPE: PRT
: ORGANISM: Artificial Sequence
:

```


fusion2.rapb

Page 5

```

ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match      100.0%; Score 238; DB 15; Length 238;
Best Local Similarity 27.9%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 31; Conservative 80; Mismatches 0;

1 XXXXXXXXXXXXXXXXXXXXASGVDPDGDSDYNNXXXXXXXXXXXXAASNLES 60
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
21 EIVLTGPGTILSPGERATLSCAKSOSVDIDGSYNNWVQOKFGCAPRLIYAASNLES
61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXX 111
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
81 GIPIRFSGSGSDFTLTISRIPEPDFAVVYCCOOSNEDPRTFQGKLEIK 131
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 15
US-10-216-484-109
Sequence 109, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Hatayama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Toru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

Query Match      100.0%; Score 238; DB 15; Length 238;
Best Local Similarity 27.9%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 31; Conservative 80; Mismatches 0;

1 XXXXXXXXXXXXXXXXXXXXKASGVDPDGDSDYNNXXXXXXXXXXXXAASNLES 60
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
21 EIVLTGPGTILSPGERATLSCAKSOSVDIDGSYNNWVQOKFGCAPRLIYAASNLES
61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXX 111
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
81 GIPIRFSGSGSDFTLTIHVEEEDAAITYCCOOSNEDPRTFQGKLEIK 131
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Search completed: February 20, 2004, 13:32:13
Job time : 31.7773 secs

```

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd

OM protein - protein search, using ...
February 20, 2004, 13:23:07 ; Search time 30.2227 Seconds
Run on: (without alignments)
755.149 Million cell updates/sec

```

Title:          FUSION1
Perfect score:  275
Sequence:       1 XXXXXXXXXXXXXXXXXXXXXSY.....YSNNTYFDVXXXXXXXXXXXXX 109

```

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

```
Searched: 801455 reqs, 209302220
Chosen parameters: 801455
```

```

Minimum DB seq length: 0

```

Maximum DB seq length: 2000

Post-processing: Minimum 100%
Maximum Match 100%
Listing first 45 summaries

```
Database : PUBMED  
1: /cgn2_6/ptodata/1/pubpa/USO/  
1: /cgn2_6/ptodata/1/pubnaa/PCT NEW_PUB.pep:*
```

Published Applications: AA: *

- 1: /cgn2_6/p1odata/1/pubppaa/US07_PUBCONOMB_dep.*
- 2: /cgn2_6/p1odata/1/pubppaa/PCT_NEW_PUB_dep.*
- 3: /cgn2_6/p1odata/1/pubppaa/US06_NEW_PUB_dep.*
- 4: /cgn2_6/p1odata/1/pubppaa/US06_PUBCONOMB_dep.*
- 5: /cgn2_6/p1odata/1/pubppaa/US07_NEW_PUB_dep.*
- 6: /cgn2_6/p1odata/1/pubppaa/PCTUS_PUBCONOMB_dep.*
- 7: /cgn2_6/p1odata/1/pubppaa/US08_NEW_PUB_dep.*
- 8: /cgn2_6/p1odata/1/pubppaa/US08_PUBCONOMB_dep.*
- 9: /cgn2_6/p1odata/1/pubppaa/US09A_PUBCONOMB_dep.*
- 10: /cgn2_6/p1odata/1/pubppaa/US09C_PUBCONOMB_dep.*
- 11: /cgn2_6/p1odata/1/pubppaa/US09C_NEW_PUB_dep.*
- 12: /cgn2_6/p1odata/1/pubppaa/US10A_PUBCONOMB_dep.*
- 13: /cgn2_6/p1odata/1/pubppaa/US10B_PUBCONOMB_dep.*
- 14: /cgn2_6/p1odata/1/pubppaa/US10C_PUBCONOMB_dep.*
- 15: /cgn2_6/p1odata/1/pubppaa/US10_NEW_PUB_dep.*
- 16: /cgn2_6/p1odata/1/pubppaa/US60_NEW_PUB_dep.*
- 17: /cgn2_6/p1odata/1/pubppaa/US60_PUBCONOMB_dep.*
- 18: /cgn2_6/p1odata/1/pubppaa/US60_PUBCONOMB_dep.*

16: /c3n_7
Pred. No. is the number of results predicted by chance to have a greater than or equal to the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	275	100.0	15	12	US-10-384-933-75	Sequence 75, Appl
2	275	100.0	15	15	US-10-216-484-75	Sequence 75, Appl
3	275	100.0	15	15	US-10-384-933-9	Sequence 9, Appl
4	275	100.0	464	15	US-10-216-484-9	Sequence 9, Appl
5	275	100.0	470	12	US-10-384-933-89	Sequence 89, Appl
6	275	100.0	470	12	US-10-384-933-117	Sequence 117, Appl
7	275	100.0	470	12	US-10-384-933-143	Sequence 143, App
8	275	100.0	470	12	US-10-384-933-145	Sequence 145, App
9	275	100.0	470	12	US-10-384-933-157	Sequence 157, App
10	275	100.0	470	12	US-10-384-933-157	Sequence 89, Appl
11	275	100.0	470	15	US-10-216-484-89	Sequence 117, Appl
12	275	100.0	470	15	US-10-216-484-117	Sequence 143, Appl
13	275	100.0	470	15	US-10-216-484-143	Sequence 145, Appl
14	275	100.0	470	15	US-10-216-484-145	Sequence 147, Appl
15	275	100.0	470	15	US-10-216-484-147	

[illegible]

ALIGNMENTS

RESULT 1
US-10-384-933-75
Application US/10384933

Sequence 75, HYPERTEXT
Publication No. US20030170817A1

GENERAL INFORMATION: NO US20030170817A1ufusa

APPLICANT: Serizawa, Hide
APPLICANT: Haruyama, Hide

APPLICANT: Nakahara, Kaoru

APPLICANT: Tamaki, Ikuko
Takahashi, To

APPLICANT: Lawrence
TITLE OF INVENTION: Anti-

FILE REFERENCE: 980126CIP

CURRENT APPLICATION NUMBER:
ESTIMATING DATE: 200

CURRENT FILING NUMBER:
PRIOR APPLICATION NUMBER:

PRIOR FILING DATE: 2000-0

PRIOR APPLICATION NUMBER:
PRIOR FILING DATE: EARLIER

NUMBER OF SEQ ID NOS: 16;

SEQ ID NO 75

LENGTH: 170
TYPE: PRT

ORGANISM: Artificial se

FEATURE: Desc

OTHER INFORMATION: rept

OTHER INFORMATION: fap

US-10-384-955-10

Query	Match	Similarity
1	1	1
2	1	1
3	1	1
4	1	1
5	1	1
6	1	1
7	1	1
8	1	1
9	1	1
10	1	1
11	1	1
12	1	1
13	1	1
14	1	1
15	1	1
16	1	1
17	1	1
18	1	1
19	1	1
20	1	1
21	1	1
22	1	1
23	1	1
24	1	1
25	1	1
26	1	1
27	1	1
28	1	1
29	1	1
30	1	1
31	1	1
32	1	1
33	1	1
34	1	1
35	1	1
36	1	1
37	1	1
38	1	1
39	1	1
40	1	1
41	1	1
42	1	1
43	1	1
44	1	1
45	1	1
46	1	1
47	1	1
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82	1	1
83	1	1
84	1	1
85	1	1
86	1	1
87	1	1
88	1	1
89	1	1
90	1	1
91	1	1
92	1	1
93	1	1
94	1	1
95	1	1
96	1	1
97	1	1
98	1	1
99	1	1
100	1	1

Best Local Stillwater
Matched 34; Conservat

MALCROSS

QY

32 КРГАСВКВСКА

20

QY 61

[illegible]

```

1  APPLICANT:  Haruyama, Hideyuki
2  APPLICANT:  Nakahara, Kaori
3  APPLICANT:  Tamaki, Ikuko
4  APPLICANT:  Takahashi, Toru
5  TITLE OF INVENTION: Anti-Pas Antibodies
6  FILE REFERENCE: 980126CIP/HG
7  CURRENT APPLICATION NUMBER: US/10/384,933
8  CURRENT FILING DATE: 2003-02-05
9  PRIOR APPLICATION NUMBER: US/09/499,662
10 PRIOR FILING DATE: 2000-02-09
11 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
12 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
13 NUMBER OF SEQ ID NOS: 165
14 SEQ ID NO 147
15     LENGTH: 470
16     TYPE: PRT
17     ORGANISM: Artificial Sequence
18     FEATURE:
19     OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
20     OTHER INFORMATION: chain of humanized anti-Pas antibody
21  US-10-384-933-147

```

Query Match	100.0%;	Score 275;	DB 12;	Length 470;
Best Local Similarity	31.2%;	Pred. No. 3.3e-08;		
Matches 34;	Conservative 75;	Mismatches 0;	Indels 0;	Gaps 0;

```
0y      1 XXXXXXXXXXXXXXXXXXSYMMOXXXXXXXXXXXXXXXXXELIPDSYNNYNQFKGXXXXXX 6C
        ::::::::::::::|:::|||||:::
Db     32 KPGASIVKSCRASGYTPTFSYMWVRRAPCGGLEMMGEIIPSDSYNNYNQFKGKATLTV 9J
```

```
Qy      61 XXXXXXXXXXXXXXXXXXXXXXXXNRDYSNNMYFDVXXXXXXXXXXXXXXX 109
          ::::::::::::::::::::| | | | | | | | | | :::::::::::::
Db      92 DTSTSTAYMELLSLRSDTAVYYCARNRDYSNNMYFDVWGCGTLVTSS 140
```

RESULT 10
US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1

APPLICANT: Serizawa, NO. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori
; Tamaki, Ikuko
APPLICANT: Tamaki, Ikuko
; Tamaki, Ikuko

```

; APPLICANT: Iakrababhi, IONIU
; TITLE OF INVENTION: Anti-Fas Antibodies
; REFERENCE: 980136CIB/HG

```

FILE REFERENCE: 980120CJF/ING
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05

PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMB
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01

```

; NUMBER OF SEQ ID NOS: 1655
; SEQ ID NO 157
;

```

```

; LENGTH: 470
; TYPE: PRT
; OCCURRENCE: 1-4 (4: 1-1) Occurrences

```

OTHER INFORMATION: Description of Artificial Sequence. Designated

OTHER INFORMATION: heavy chain of humanized anti-Fas antibody

```

Query Match      100.0%; Score 275; DB 12; Length 470;
Best Local Similarity 31.2%; Pred. No. 3.3e-08;
Matches 34; Conservative 75; Mismatches 0; Indels 0; Gaps 0

```

[illegible]

```
QY      61 XXXXXXXXXXXXXXXXXXXXXXXXRDYSNNMFVDVXXXXXXXXXX 109
```

Db 92 DTSTAYMELSSLRSEDVAVYCARNRDYSNNWFVDWGEGTLTVSS 140

RESULT 11

US-10-216-484-89
; Sequence 89, Application US/10216484
Publication No. 1000001000001

```

; PUBLICACION NO: US20030103976A1;fusa
; GENERAL INFORMATION:
; APLICANTE: Serizawa NO US20030103976A1;fusa

```

APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori

APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru

;; TITLE OF INVENTION: Anti-Fas Antibodies
;; FILE REFERENCE: 980126CIP/HG

; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 00/053 583

NUMBER OF SEQ ID NOS: 165
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: US

```

NUMBER OF SEQ ID NOS: 100
; SEQ ID NO 89
LENGTH: 470

```

```

;
; TYPE: PRT
; ORGANISM: Artificial Sequence
;

```

```

; FACTORS:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89

```

Query Match	100.0%;	Score 275;	DB 15;	Length 470;
Best Local Similarity	31.2%;	Pred. No. 3.3e-08;		
Matches 34;	Conservative 75;	Mismatches 0;	Indels 0;	Gaps 0;

[illegible]

```
Qy      61  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 109
          ::::::::::::::::::::::|:::::::::::
Db      92  DTASTAYMBLSSLRSEDYAVYYCARNRDYSNNWYFDVWGEGGLVTYSS 1400
```

RESULT 12
US-10-216-484-117
; Sequence 117, Application US/10216484
; Publication No. US20030103976A1

```

; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa

```

APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
;

APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; APPLICANT: Takahashi, Tohru

FILE REFERENCE: 980126CIP/HG
TITLE OF INVENTION: Anti-Fas Antibodies
CURRENT ADDICTION NUMBER: US/10/315 4

; CURRENT FILING DATE: 2002-08-09
 ; CURRENT APPLICATION NUMBER: US/09/499,662
 ; PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583

;; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165

```

; SEQ ID NO 117
; LENGTH: 470

```

```

; TYPE: PRT
; ORGANISM: Artificial Sequence
;

```

```

; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-117

```

Query Match 100.0%; Score 275; DB 15; Length 470;

; SEQ ID NO 145

```

search completed: february 20, 2004, 13:32:12
Job time : 31.2227 secs

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search completed: february 20, 2004, 13:32:12
Job time : 31.2227 secs

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fusion1.rat

Mon/Feb 23 07:54:28 2004

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:18:51 ; Search time 14.3682 Seconds
(without alignments)
320.979 Million cell updates/secTitle: FUSION1
Perfect score: 275
Sequence: 1 XXXXXXXXXXXXXXXXXXXXXXXX.YSNNWYFDVXXXXXXXXXXXX 109Scoring table: BLOSUM62DX
Gapop 10.0, Gapext 0.5Searched: 328717 seqs, 42310858 residues
Total number of hits satisfying chosen parameters: 328717Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summariesDatabase :
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6C.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/6D.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/6E.COMB.pep.*Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	204	74.2	119	2	US-08-553-497A-8
2	204	74.2	119	2	US-08-553-497A-12
3	187.5	68.0	120	4	US-10-092-246-12
4	187	68.0	111	3	US-08-881-037-14
5	187	68.0	111	3	US-08-881-037-16
6	187	68.0	111	3	US-08-881-037-61
7	187	68.0	119	3	US-08-881-037-62
8	186.5	67.8	241	1	US-08-881-037-11
9	186.5	67.8	241	1	US-08-881-037-16
10	186.5	67.8	241	1	US-08-881-037-17
11	186.5	67.8	241	1	US-08-881-037-18
12	186.5	67.8	241	1	US-08-881-037-19
13	186.5	67.8	241	1	US-08-881-037-20
14	186.5	67.8	241	1	US-08-881-037-21
15	186.5	67.8	241	1	US-08-881-037-22
16	186.5	67.8	241	1	US-08-881-037-23
17	186.5	67.8	241	1	US-08-881-037-24
18	186.5	67.8	241	1	US-08-881-037-25
19	186.5	67.8	241	1	US-08-881-037-26
20	186.5	67.8	241	1	US-08-881-037-27
21	186.5	67.8	241	1	US-08-881-037-28
22	186.5	67.8	241	1	US-08-881-037-29
23	186.5	67.8	241	1	US-08-881-037-30
24	186.5	67.8	241	1	US-08-881-037-31
25	186.5	67.8	241	1	US-08-881-037-32
26	186.5	67.8	241	1	US-08-881-037-33
27	186.5	67.8	241	1	US-08-881-037-34

28	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
29	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
30	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
31	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
32	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
33	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
34	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
35	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
36	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
37	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
38	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
39	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
40	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
41	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
42	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
43	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
44	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl
45	176.5	64.2	135	1	US-08-398-612A-50	Sequence 50, Appl

ALIGNMENTS

RESULT 1
US-08-553-497A-8
Sequence 8, Application US/08553497A
Patent No. 5844093
GENERAL INFORMATION:
APPLICANT: KETTERBOROUGH, C. A.
APPLICANT: BENDIG, MARY M.
APPLICANT: ANGELL, KEITH H.
APPLICANT: GUSCO, DETLEF
APPLICANT: ADAM, JAMES
APPLICANT: MITCHELL, FRANCES
APPLICANT: MITCHELL, FRANCES
APPLICANT: ROSE, FRANCES
APPLICANT: PULATS, JAMES
TITLE OF INVENTION: ANTI-EGFR SINGLE-CHAIN FVS AND ANTI-EGFR
TITLE OF INVENTION: ANTIBODIES
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSER: MITCHELL, WHITE, ZELANO & BRANNIGAN, P.C.
STREET: 2200 CLARENDON BLVD. SUITE 1400
CITY: ARLINGTON
STATE: VA
COUNTRY: US
ZIP: 22201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/553,497A
FILING DATE: 17-NOV-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP95/00978
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94104160.0
FILING DATE: 17-MAR-1994
APPLICATION DATA:
APPLICATION NUMBER: EP 94118970.6
FILING DATE: 02-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: HAMLET-KING, DIANA
REGISTRATION/DOCKET NUMBER: 33,302
TELEPHONE: 703-243-6333
TELEFAX: 703-243-6410
INFORMATION FOR SEQ ID NO: 8:

TYPE: amino acid

SOFTWARE. Patent In Progress

SOFTWARE. Patent In Progress

US-08-681-037-14

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US /08/881.037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA: US 08/443,540
APPLICATION NUMBER: 34,202
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Konek, Antoinette P.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX: 34202
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

Score 187; DB 3; length 111;

```

Query Match          68.0%; Score      6; Indexes    4; Gaps     60
Best Local Similarity 21.1%; Pred. No. 9e-05; Mismatches 76; Matches 23; Conservative 109

1 XXXXXXXXXXXXXXXXXXXXXXXXSYNMQXXXXXXXXXXXXXXXXXXEIDPDSYTNNOFKKXXXXXX 64
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
5 KFGASVKSUSCKASGYFTSYNMHWKQKPGGLMWIGELIDPDSYTYNNOKFKGAKATLTV      64
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
61 XXXXXXXXXXXXXXXXXXXXXXXXXXNDPSNNMTFDVYXXXXXXXXXXXXX 109
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
65 DKSSSTAYWOLSLTSEDSAVYYCAGCR-----LRFYANDYWGCGTSITVV 109

Db

Oy

RESULT 5
US-08-881-037-16
Sequence 16, Application US/08881037
Patent No. 6080588
GENERAL INFORMATION:
APPLICANT: Glick, Gary D.
APPLICANT: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Konakl, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792

```

```

? TELEK: 16:
? INFORMATION FOR SEQ ID NO: 16:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 111 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? OS=08-emb1-037-16          CG 0%: Score 187; DB 3; length 111;

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Query Match	Similarity	30.0%	Pred. NO. 9e-05	6	Indels	4	Gaps
Best local	21.1%	76	Mismatches				
Matches	23	Conservative					
OY	1	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
OY	5	KPGASVLTSCKASGTFITTS	SYNNHWKQFPGGGLGEMIG	IDLPSDSTYYNOKFKKATLTV			64
Db	61	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
OY	65	DKKSSTAYMOLSTLSDSNAVY	CAKGR---	LRFYANDYMGCGISVTY			109

RESULT 6
US-08-881-037-61 Application US/08881037
Sequence 61, Patent No. 6080588
GENERAL INFORMATION:
APPLICANT: Glick, Gary D.
APPlicant: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Poerster
STREET: 755 Page Mall Road
CITY: Palo Alto
STATE: CA USA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
PRIORITY APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: Konaki, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEX: (650) 494-0792

TEXT:
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDBINDNESS: single
TOPOLOGY: linear

US-08-881-037-61

Best Match 68.0%; Score 187; DB 3; Length 119;
Query Local Similarity 21.1%; Pred. No. 0.00012;
Matches 23; Conservative 76; Mismatches 6; Indels 4; Gaps 1;

XXXXXXXXXXXXXXXSYNXXXXXXXXXXETDPDSYTNOKFKGKXXXXX
| | | | | : | | | | | | | | | | | | | | | | |
| | | | | : | | | | | | | | | | | | | | | | |

Db 13 KPGASVKLSCKASGYTFTSYMMHWKQKPGQGLEWIGEDPSDSTYYNQFKGKATLTV 72
Qy 61 XX 109
Db 73 DKSSSTAYMQLSLTSEDSAVYYCAKGR-----LRYFADYMGQGTSTVTV 117

RESULT 7

US-08-881-037-62
Sequence 62, Application US/08881037
Patent No. 6080588
GENERAL INFORMATION:
APPLICANT: Glick, Gary D.
APPLICANT: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Feisterer
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Koneki, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX:
INFORMATION FOR SEQ ID NO: 62:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-881-037-62

Query Match 68.0%; Score 187; DB 3; Length 119;
Best Local Similarity 21.1%; Pred. No. 0.00012;
Matches 23; Conservative 76; Mismatches 6; Indels 4; Gaps 1;

Qy 1 XX 60
Db 13 KPGASVKLSCKASGYTFTSYMMHWKQKPGQGLEWIGEDPSDSTYYNQFKGKATLTV 72
Qy 61 XX 109
Db 73 DKSSSTAYMQLSLTSEDSAVYYCAKGR-----LRYFADYMGQGTSTVTV 117

RESULT 8

US-08-235-838-11
Sequence 11, Application US/08235838
Patent No. 5571894
GENERAL INFORMATION:
APPLICANT: Wels, Winfried S.
APPLICANT: Hynes, Nancy E.
APPLICANT: Harwerth, Ina-Maria

APPLICANT: Groner, Bernd
APPLICANT: Hardman, No. 5571894man
APPLICANT: Zwickl, Markus
TITLE OF INVENTION: Recombinant Antibodies Specific for a
TITLE OF INVENTION: Growth Factor Receptor
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/235,838
FILING DATE: TBA
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/828,832
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 91-810079.3
FILING DATE: 05-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8614
TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 241 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-235-838-11

Query Match 67.8%; Score 186.5; DB 1; Length 241;
Best Local Similarity 20.2%; Pred. No. 0.0015;
Matches 22; Conservative 76; Mismatches 10; Indels 1; Gaps 1;

Qy 1 XX 60
Db 14 RFGTSVKLSCKASDYFTFTSYMMHWKQKPGQGLEWIGEDPSDSTYYNQFKGKATLTV 73
Qy 61 XX 109
Db 74 DKSSSTAYMQLSLTSEDSAVYYCAKGR-----LRYFADYMGQGTSTVTV 121

RESULT 9

US-08-465-473B-11
Sequence 11, Application US/08465473B
Patent No. 5939531
GENERAL INFORMATION:
APPLICANT: Wels, Winfried S.
APPLICANT: Hynes, Nancy E.
APPLICANT: Harwerth, Ina-Maria
APPLICANT: Groner, Bernd
APPLICANT: Hardman, No. 5939531man
APPLICANT: Zwickl, Markus
TITLE OF INVENTION: Recombinant Antibodies Specific for a
TITLE OF INVENTION: Growth Factor Receptor
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: NOVARTIS Corporation
STREET: 564 Morris Avenue

```

CITY: Summit
STATE: New Jersey
COUNTRY: USA
ZIP: 07901-6940

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Patent In Release #1.0, Version #1.25
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465, 473B
FILING DATE: 5 June 1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/828, 832
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 91-810079.3
FILING DATE: 05-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: Pfeiffer, Heena J.
REGISTRATION NUMBER: 22,640
REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)522 6955
TELEFAX: (908)522 6955
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 241 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-465-473B-11

Query Match          67.8%; Score 186.5; DB 2; Length 241;
Best Local Similarity 20.2%; Pred. No. 0.0015;
Matches 22; Conservative 76; Mismatches 10; Indels 1; Gaps 1

QY      1 XXXXXXXXXXXXXXXXXXXXXSYWMOXXXXXXXXXXXXXXXXXRIIDPDSDSYTNOKFKGXXXXXXX 60
        :|::|||::|:|||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
Db      14 RPTSVKLSCRAKSDTFTSVMNVKKRPQGSLGIIGLIDPSDSTGYNQIFDKAKALTV 73
QY      61 XXXXXXXXXXXXXXXXXXXXXXXXXXXNRDYNNMFDPVXXXXXXXXXXXX 109
        :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
Db      74 DKSNNTAYMWQLSLHSBSDAVIYCKG-GASGMYPDWCGCTTTVAS 121
        :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~

RESULT 10
US-08-235-838-16
Sequence 16, Application US/08235838
GENERAL INFORMATION:
APPLICANT: Wels, Winfried S.
APPLICANT: Hynes, Nancy B.
APPLICANT: Harwerth, Ina-Maria
APPLICANT: Groner, Bernd
APPLICANT: Hardman, No. 5571894man
APPLICANT: Zwickl, Markus
TITLE OF INVENTION: Recombinant Antibodies Specific for a
TITLE OF INVENTION: Growth Factor Receptor
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Patent In Release #1.0, Version #1.25
SOFTWARE: Patent In Release #1.0, Version #1.25

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CURRENT APPLICATION DATA: US/08/235,838
APPLICATION NUMBER: US/08/235,838
FILING DATE: TBA
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 07/828,832
FILING DATE: 31-JAN-1992
APPLICATION DATA:
PRIOR APPLICATION NUMBER: GB 91-810079.3
APPLICATION NUMBER: GB 91-810079.3
FILING DATE: 05-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 4-11818/A/CIP/CONT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8689
TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-235-838-16

Query Match      67.8%; Score 186.5; DB 1; Length 637;
Best Local Similarity 20.2%; Pred.No.0.045;10; Indels 1; Gaps 1
Matches 22; Conservative 76; Mismatches

QY 1 XXXXXXXXXXXXXXXXXSYMMOXXXXXXXXXXXXXXXXXELDPDSSTYNOKFKKXXXXXXXXX
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
DB 45 RFGSVSLSCASDITFTFSYMNWVXORPGQGLEMIGMTDPSDSETOQNOMFKOKALTV 104
QY 1 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
DB 105 DKSNTAYMQLSLTSEDNAVYCAKG-GASGDVYFDVMGQGITTVVSS 152

RESULT 11
US-08-465-473B-16
Sequence 16, Application US/08465473B
Patent No. 5939531
GENERAL INFORMATION:
APPLICANT: Wels, Winfried S.
APPLICANT: Hynes, Nancy E.
APPLICANT: Harwerth, Ina-Maria
APPLICANT: Groner, Bernd
APPLICANT: Hardman, No. 5939531man
APPLICANT: Zwickl, Markus
TITLE OF INVENTION: Recombinant Antibodies Specific for a
TITLE OF INVENTION: Growth Factor Receptor
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSER: NOVARTIS Corporation
STREET: 564 Morris Avenue
CITY: Summit
STATE: New Jersey
COUNTRY: USA
ZIP: 07901-6940
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,473B
FILING DATE: 5 June 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/828,832
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 91-810079.3

```



```

US-08-861-037-15
Sequence 15, Application US/08881037
Patent No. 6080586
GENERAL INFORMATION:
APPLICANT: Glick, Gary D.
APPLICANT: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/861,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Konekl, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 20342110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TEXT:
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-861-037-15
Query Match 65.5%; Score 180; DB 3; Length 111;
Best Local Similarity 19.3%; Pred. No. 0.00029;
Matches 21; Conservative 78; Mismatches 6; Indels 4; Gaps 1
QY 1 XXXXXXXXXXXXXXXXXXXXXSYMNQXXXXXXXXXXXXXXXXXIEDPSDTNTNOKFKGXXXXXX 60
Db 5 KPGASVSKSCASAGTFTSYWVHWKORPGQGLEWIGIEIDPSDNTYYNQFKGATLV 64
QY 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXNDYSNNWFEDVXXXXXXXXXXXX 109
Db 65 DKSSSTAYMQLSITSDPSAVYAKGR---LRFAMDYWGRTSVTV 109
RESULT 15
US-08-861-037-60
Sequence 60, Application US/08881037
Patent No. 6080586
GENERAL INFORMATION:
APPLICANT: Glick, Gary D.
APPLICANT: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018

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? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent In Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/881,037
? FILING DATE: 23-JUN-1997
? CLASSIFICATION: 530
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/443,540
? FILING DATE: 18-MAY-1995
? CLASSIFICATION: 530
? ATTORNEY/AGENT INFORMATION:
? NAME: Konaki, Antoinette F.
? REGISTRATION NUMBER: 34,202
? REFERENCE/DOCKET NUMBER: 203442110710
? TELECOMMUNICATIONS INFORMATION:
? TELEPHONE: (650) 813-5600
? TELEFAX: (650) 494-0792
? TELEX:
? INFORMATION FOR SEQ ID NO: 60:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 119 amino acids
? TYPE: - amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? US-08-881-037-60

Query Match      65.5%; Score 180; DB 3; Length 119;
Best Local Similarity 19.3%; Pred. No. 0.00037;
Matches 21; Conservative 78; Mismatches 6; Indels 4; Gaps 1,

QY 1 XXXXXXXXXXXXXXXXXSYMQXXXXXXXXXXXXXXXXXIDPSDYTNNOKFKGXXXXXX 60
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
DB 13 KPGASVKLSCASGGTFSTVIHWKQPGGLEWIGSIDSDNTYYNOKFGATLV 72
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
QY 61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXNRDYSNNMYFDVXXXXXXXXXXX 109
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:
DB 73 DKSSSTAVMQLSLTSSEDSAVYCAKGR---LRYFAMDYMGRTSVTV 117
   :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX:

Search completed: February 20, 2004, 13:24:29
Job time : 14.3682 secs
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Search completed: February 20, 2004, 13:24:29
Job time : 14.3682 secs

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Mon Feb 23 07:54:29 2004

fusion2.rai

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:18:51 ; Search time 14.6318 Seconds
(without alignments)
320.979 Million cell updates/sec

Title: FUSION2
Perfect score: 238
Sequence: 1 XXXXXXXXXXXXXXXXXXXXXXXX.XXSNEDPTXXXXXXXXXX 111

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
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2: /cgm2_6/ptodata/1/1aa/5B COMB.pep.*
3: /cgm2_6/ptodata/1/1aa/6A COMB.pep.*
4: /cgm2_6/ptodata/1/1aa/6B COMB.pep.*
5: /cgm2_6/ptodata/1/1aa/PCPUS COMB.pep.*
6: /cgm2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	231	97.1	111	2	US-08-483-636-73 Sequence 73, Appl
2	231	97.1	111	2	US-08-483-632-73 Sequence 73, Appl
3	231	97.1	131	2	US-08-483-636-58 Sequence 58, Appl
4	231	97.1	131	2	US-08-483-632-58 Sequence 58, Appl
5	231	97.1	132	2	US-08-483-632-2 Sequence 2, Appl
6	231	97.1	132	2	US-08-483-632-2 Sequence 2, Appl
7	230	96.6	111	1	US-08-491-845-16 Sequence 16, Appl
8	230	96.6	111	1	US-08-491-845-16 Sequence 16, Appl
9	230	96.6	115	3	US-08-579-378A-14 Sequence 14, Appl
10	230	96.6	131	3	US-08-579-378A-14 Sequence 14, Appl
11	230	96.6	131	3	US-08-579-378A-14 Sequence 14, Appl
12	230	96.6	131	3	US-08-579-378A-14 Sequence 14, Appl
13	225	94.5	106	4	US-08-466-151-6 Sequence 6, Appl
14	225	94.5	106	4	US-08-466-151-6 Sequence 6, Appl
15	225	94.5	131	2	US-08-483-632-14 Sequence 24, Appl
16	225	94.5	131	2	US-08-483-632-14 Sequence 24, Appl
17	217	91.2	120	1	US-08-111-080-24 Sequence 24, Appl
18	217	91.2	120	1	US-08-111-080-24 Sequence 24, Appl
19	215	90.3	111	3	US-09-109-207C-6 Sequence 6, Appl
20	215	90.3	111	3	US-09-109-207C-6 Sequence 6, Appl
21	215	90.3	111	3	US-09-109-207C-6 Sequence 6, Appl
22	215	90.3	114	3	US-08-887-352B-10 Sequence 10, Appl
23	215	90.3	114	3	US-08-887-352B-10 Sequence 10, Appl
24	215	90.3	114	3	US-09-296-005-10 Sequence 10, Appl
25	215	90.3	218	3	US-08-887-352B-13 Sequence 13, Appl
26	215	90.3	218	3	US-08-887-352B-13 Sequence 13, Appl
27	215	90.3	218	3	US-08-466-151-9 Sequence 9, Appl

28	215	90.3	218	3	US-09-109-207C-13 Sequence 13, Appl
29	215	90.3	218	3	US-09-296-005-13 Sequence 13, Appl
30	215	90.3	218	3	US-08-466-151-9 Sequence 9, Appl
31	211	88.7	111	2	US-08-887-352B-5 Sequence 5, Appl
32	211	88.7	111	3	US-08-466-151-2 Sequence 5, Appl
33	211	88.7	111	3	US-09-109-207C-5 Sequence 5, Appl
34	211	88.7	111	3	US-09-296-005-5 Sequence 5, Appl
35	211	88.7	111	4	US-08-466-151-2 Sequence 9, Appl
36	211	88.7	114	4	US-08-887-352B-9 Sequence 9, Appl
37	208	87.4	114	3	US-09-109-207C-9 Sequence 9, Appl
38	208	87.4	114	3	US-09-296-005-9 Sequence 9, Appl
39	192	80.7	218	2	US-08-887-352B-8 Sequence 8, Appl
40	192	80.7	218	3	US-09-282-255-1 Sequence 1, Appl
41	192	80.7	218	3	US-09-054-255-1 Sequence 1, Appl
42	192	80.7	218	4	US-09-282-846-1 Sequence 1, Appl
43	192	80.7	218	4	US-09-680-145-1 Sequence 18, Appl
44	190	79.8	239	3	US-08-553-497A-18 Sequence 8, Appl
45	189	79.4	114	3	US-09-109-207C-8 Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-483-636-73
Sequence 73, Application US/08483636
Patent No. 5914110
GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
TREATMENT OF IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESSES:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UW2220
CITY: King Of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent'n Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 73:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDNESS: single
TOPOLOGY: unknown

MOLECULE TYPE: protein
US-08-483-636-73

Query Match 97.1%; Score 231; DB 2; Length 111;
Best Local Similarity 27.0%; Pred. No. 1.1e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Qy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGDSTYNNXXXXXXXXXXXXXXXXXASNLES 60
Db 1 DIVLTQSPSSLSASVGRVITTCRASQSVYDGDSTYNNWYQKPKGAPKLIYAASNLES 60
Qy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXXXXXXX 111
Db 61 GIPRFGSGSGGTDFTLTISLQPEDIAITYCCQSNEDPRTFGGTVEIK 111

RESULT 2
US-08-483-632-73
Sequence 73, Application US/08483632
Patent No. 5928904

GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
NUMBER OF INVENTION: Treatment of IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,632
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5090
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 73:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-483-632-73

Query Match 97.1%; Score 231; DB 2; Length 111;
Best Local Similarity 27.0%; Pred. No. 1.1e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Qy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGDSTYNNXXXXXXXXXXXXXXXXXASNLES 60
Db 1 DIVLTQSPSSLSASVGRVITTCRASQSVYDGDSTYNNWYQKPKGAPKLIYAASNLES 60
Qy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXXXXXXX 111
Db 61 GIPRFGSGSGGTDFTLTISLQPEDIAITYCCQSNEDPRTFGGTVEIK 111

RESULT 3
US-08-483-636-58
Sequence 58, Application US/08483636
Patent No. 591410

GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
NUMBER OF INVENTION: Treatment of IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5090
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-636-58

Query Match 97.1%; Score 231; DB 2; Length 131;
Best Local Similarity 27.0%; Pred. No. 2e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;

Qy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGDSTYNNXXXXXXXXXXXXXXXXXASNLES 60
Db 20 DIVLTQSPSSLSASVGRVITTCRASQSVYDGDSTYNNWYQKPKGAPKLIYAASNLES 79
Qy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTXXXXXXXXXXXX 111
Db 80 GIPRFGSGSGGTDFTLTISLQPEDIAITYCCQSNEDPRTFGGTVEIK 130

RESULT 4
TTS-08-483-632-58
TTS/08483632

```

APPLICANT: Sylvester, Daniel R. IL4 Antibodies Useful in
TITLE OF INVENTION: Recombinant IL4 Antibody Disorders
TITLE OF INVENTION: Treatment of IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESSES:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,632
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA: PCT/US/94/10308
APPLICATION NUMBER:
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 132 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-632-2
Query Match          97.1%; Score 231; DB 2; Length 132;
Best Local Similarity 27.0%; Pred.No.2,le-07; Indels 0; Gaps 0
Matches 30; Conservative 80; Mismatches 1;
QY      1 XXXXXXXXXXXXXXXXXXXXXXXXGSGVDYDSDPTMTXXXXXXXXXXXXXXXXXXASTLES
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|
DB       21 DIVLTSPSLAVSLGCGATISCRASOSVYDESDSTMMWYQGKPGQPRLITVAASNLDS
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|
QY      61 XXXXXXXXXXXXXXXXXXXXXXXXGSGVDYDSDPTMTXXXXXXXXXXXXXXXXXXASTLES
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|
DB       81 GIPARFGSGSGTDFTLNHPVEEDDATYYCOGSNDPPLFGGGTKLEIK 131
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|
RESULTS
US-08-483-632-2
Sequence 2, Application US/08483632
Patent No. 5928904
GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
TITLE OF INVENTION: Treatment of IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESSES:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220

```

```

APPLICANT: Sylvester, Daniel R. IL4 Antibodies Useful in
TITLE OF INVENTION: Recombinant IL4 Antibody Disorders
TITLE OF INVENTION: Treatment of IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESSES:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA: PCT/US/94/10308
APPLICATION NUMBER:
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 132 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-636-2
Query Match          97.1%; Score 231; DB 2; Length 132;
Best Local Similarity 27.0%; Pred. No. 2, Ie-07; Gaps 0
Matches 30; Conservative 80; Mismatches 1; Indels 0
QY      1 XXXXXXXXXXXXXXXXXXXXXXXXGSGVDYDSDPTMTXXXXXXXXXXXXXXXXXXASTLES    60
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|::|  80
DB      21 DIVLTSPSLAVSLGCGATISCRASOSVYDESDSTMMWYQGKPGQPRLITVAASNLDS    111
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|::|
QY      61 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX    131
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB      81 GIPARFGSGSGTDFTLNHPVEEDDATYYCOGSNDPPLFGGGTKLEIK 131
        :::::::::::::::::::::::::::|::|::|::|::|::|::|::|::|::|::|::|::|::|

RESULT 6
US-08-483-632-2
Sequence 2, Application US/08483632
Patent No. 5928904
GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibody Disorders
TITLE OF INVENTION: Treatment of IL4 Mediated Disorders
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESSES:
ADDRESSER: SmithKline Beecham Corp./Corporate
ADDRESSER: Intellectual Property
STREET: P.O. Box 1539 / UM2220

```

```
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,632
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 132 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-632-2
```

```
Query Match          97.1%; Score 231; DB 2; Length 132;
Best Local Similarity 27.0%; Pred. No. 2.1e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;
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Oy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGSYNNXXXXXXXXXXXXXXXXXASNLIES 60
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 21 DIVLTQSPASLAVSLGQRATISCRASQSVYDGSYNNWYQOKPGPKLITYASNLIES 80
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Oy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTYXXXXXXXXXXXX 111
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 81 GIPARFSGSGSDPTLNINHPVEEDATYYCQGSNEDPRTFGGTLKLEIK 131
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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```
RESULT 7
US-08-491-845-8
Sequence 8, Application US/08491845
Patent No. 5773247
GENERAL INFORMATION:
APPLICANT: MAEDA, Hiroaki
APPLICANT: KIMACHI, Kazuhiko
APPLICANT: EDA, Yasuyuki
APPLICANT: SHIOSAKI, Kouichi
APPLICANT: TOKIYOSHI, Sachio
TITLE OF INVENTION: RECOMBINANT ANTI-HIV ANTIBODY AND
TITLE OF INVENTION: PROCESS FOR PREPARING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W. Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE, Floppy disk
```

```
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/491,845
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP93/00039
FILING DATE: 14-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: MAEDA=5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-491-845-8
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Query Match          96.6%; Score 230; DB 1; Length 111;
Best Local Similarity 27.0%; Pred. No. 1.3e-07;
Matches 30; Conservative 80; Mismatches 1; Indels 0; Gaps 0;
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```
Oy 1 XXXXXXXXXXXXXXXXXXXXKASQSVYDGSYNNXXXXXXXXXXXXXXXXXASNLIES 60
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 1 DIVLTQSPASLAVSLGQRATISCRASQSVYDGSYNNWYQOKPGPKLITYASNLIES 60
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Oy 61 XXXXXXXXXXXXXXXXXXXXQGSNEDPRTYXXXXXXXXXXXX 111
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Db 61 GIPARFSGSGSDPTLNINHPVEEDATYYCQGSNEDPRTFGGTLKLEIK 111
    :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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```
RESULT 8
US-08-491-845-16
Sequence 16, Application US/08491845
Patent No. 5773247
GENERAL INFORMATION:
APPLICANT: MAEDA, Hiroaki
APPLICANT: KIMACHI, Kazuhiko
APPLICANT: EDA, Yasuyuki
APPLICANT: SHIOSAKI, Kouichi
APPLICANT: TOKIYOSHI, Sachio
TITLE OF INVENTION: RECOMBINANT ANTI-HIV ANTIBODY AND
TITLE OF INVENTION: PROCESS FOR PREPARING THE SAME
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street N.W. Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/491,845
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP93/00039
FILING DATE: 14-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
```

```

; INFORMATION FOR SEQ ID NO: 51
;
; SEQUENCE CHARACTERISTICS:
;     LENGTH: 115 amino acids
;     TYPE: amino acid
;     TOPOLOGY: linear

```

US-08-579-378A-14

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qy      1 XXXXXXXXXXXXXXXXXXXXKASQSDYDGDSYMNNXXXXXXXXXXXXAASNLES  60

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STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipatch (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 106 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-6

Query Match 94.5%; Score 225; DB 3; Length 106;
Best Local Similarity 28.3%; Pred. No. 2.5e-07;
Matches 30; Conservative 75; Mismatches 1; Indels 0; Gaps 0;

QY 1 XXXXXXXXXXXXXXXXXXXXASQSVYDGDSTYNNXXXXXXXXXXXXXXXXXASNTS 60
DB 1 DIQLTQSPASLAVSLGQRATISCRASQSVYDGDSTYNNWYQKPGQPKLITVYASNTS 60

QY 61 XXXXXXXXXXXXXXXXXXXXQOSNEDPRTYXXXX 106
DB 61 GIPARFSGSGGTDFTLNIHPVEEDAAITYYCOOSNEDPFTFGAGT 106

RESULT 14
US-08-466-163B-6
Sequence 6, Application US/08466163B
Patent No. 6329509
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Prestia, Leonard G.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64

SEQ ID NO 6
LENGTH: 106
TYPE: PRT
ORGANISM: Mus musculus
US-08-466-163B-6

Query Match 94.5%; Score 225; DB 4; Length 106;
Best Local Similarity 28.3%; Pred. No. 2.5e-07;
Matches 30; Conservative 75; Mismatches 1; Indels 0; Gaps 0;

QY 1 XXXXXXXXXXXXXXXXXXXXASQSVYDGDSTYNNXXXXXXXXXXXXXXXXXASNTS 60
DB 1 DIQLTQSPASLAVSLGQRATISCRASQSVYDGDSTYNNWYQKPGQPKLITVYASNTS 60

QY 61 XXXXXXXXXXXXXXXXXXXXQOSNEDPRTYXXXX 106
DB 61 GIPARFSGSGGTDFTLNIHPVEEDAAITYYCOOSNEDPFTFGAGT 106

RESULT 15
US-08-483-636-14
Sequence 14, Application US/08483636
Patent No. 5914110
GENERAL INFORMATION:
APPLICANT: Holmes, Stephen D.
APPLICANT: Gross, Mitchell S.
APPLICANT: Sylvester, Daniel R.
TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSER: SmithKline Beecham Corp./Corporate
STREET: Intellectual Property
STREET: P.O. Box 1539 / UW2220
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,636
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117366
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/136783
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US/94/10308
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sutton, Jeffrey A.
REGISTRATION NUMBER: 34,028
REFERENCE/DOCKET NUMBER: P50186-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 270-5024
TELEFAX: (215) 270-5090
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-636-14

Query Match 94.5%; Score 225; DB 2; Length 131;
Best Local Similarity 26.1%; Pred. No. 5.6e-07;

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 0.331643 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-1
Perfect score: 59
Sequence: 1 RTONTKCRCK 10

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:
1: /cgn2_6/prodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/prodata/1/iaa/5B_COMB.pep:*
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4: /cgn2_6/prodata/1/iaa/5B_COMB.pep:*
5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/1/iaa/Backfill.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	ID	Description
1	59	100.0	119 2 US-08-219-237B-3	Sequence 3, Appl 1
2	59	100.0	119 3 US-08-477-347-14	Sequence 14, Appl 1
3	59	100.0	119 3 US-08-476-862-5	Sequence 5, Appl 1
4	59	100.0	119 3 US-08-468-560C-3	Sequence 3, Appl 1
5	59	100.0	119 4 US-08-828-683A-15	Sequence 15, Appl 1
6	59	100.0	119 4 US-09-800-909-5	Sequence 9, Appl 1
7	59	100.0	128 4 US-09-180-100-9	Sequence 10, Appl 1
8	59	100.0	143 4 US-09-180-100-10	Sequence 11, Appl 1
9	59	100.0	144 4 US-09-180-100-21	Sequence 21, Appl 1
10	59	100.0	157 4 US-09-180-100-15	Sequence 15, Appl 1
11	59	100.0	159 4 US-09-180-100-23	Sequence 23, Appl 1
12	59	100.0	167 4 US-08-828-683A-22	Sequence 45, Appl 1
13	59	100.0	219 3 US-08-974-022-45	Sequence 45, Appl 1
14	59	100.0	219 3 US-08-795-445A-45	Sequence 45, Appl 1
15	59	100.0	219 3 US-08-795-447A-45	Sequence 45, Appl 1
16	59	100.0	219 3 US-08-974-186-45	Sequence 45, Appl 1
17	59	100.0	219 3 US-08-795-446B-45	Sequence 45, Appl 1
18	59	100.0	219 4 US-08-706-945D-131	Sequence 131, Appl 1
19	59	100.0	281 4 US-09-527-235A-3	Sequence 3, Appl 1
20	59	100.0	314 1 US-08-444-231-19	Sequence 19, Appl 1
21	59	100.0	314 5 PCT-US95-17083-4	Sequence 4, Appl 1
22	59	100.0	331 4 US-09-086-483A-3	Sequence 3, Appl 1
23	59	100.0	331 4 US-09-580-212-3	Sequence 3, Appl 1
24	59	100.0	335 2 US-08-219-237B-2	Sequence 2, Appl 1
25	59	100.0	335 2 US-08-409-338-1	Sequence 1, Appl 1
26	59	100.0	335 3 US-08-815-469-6	Sequence 6, Appl 1
27	59	100.0	335 3 US-08-815-469-6	Sequence 6, Appl 1

28	59	100.0	335 3 US-09-290-640-2	Sequence 2, Appl 1
29	59	100.0	335 3 US-09-006-353A-7	Sequence 7, Appl 1
30	59	100.0	335 3 US-08-468-560C-2	Sequence 2, Appl 1
31	59	100.0	335 4 US-09-180-100-20	Sequence 20, Appl 1
32	59	100.0	335 4 US-09-565-918-3	Sequence 7, Appl 1
33	59	100.0	335 4 US-09-573-986-7	Sequence 7, Appl 1
34	59	100.0	335 5 PCT-US95-17083-2	Sequence 11, Appl 1
35	59	100.0	360 4 US-09-180-100-11	Sequence 2, Appl 1
36	59	100.0	376 4 US-09-180-100-22	Sequence 22, Appl 1
37	59	100.0	669 4 US-09-013-895A-3	Sequence 3, Appl 1
38	59	100.0	669 4 US-09-448-868-3	Sequence 66, Appl 1
39	59	100.0	669 4 US-09-230-640-6	Sequence 12, Appl 1
40	40	67.8	327 3 US-09-130-491-12	Sequence 2, Appl 1
41	40	67.8	234 4 US-08-651-579-2	Sequence 6, Appl 1
42	40	67.8	368 2 US-09-086-483A-6	Sequence 6, Appl 1
43	40	67.8	467 4 US-09-580-212-6	Sequence 2, Appl 1
44	40	67.8	468 4 US-09-013-895A-2	Sequence 2, Appl 1
45	40	67.8	468 4 US-09-565-918-2	Sequence 2, Appl 1

ALIGNMENTS

RESULT 1
US-08-219-237B-3
Sequence 3, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-3

Query Match 100.0%; Score 59; DB 2; Length 119;
Best local similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OT 1 RTONTKCRCK 10
DB 75 RTONTKCRCK 84

RESULT 2
US-08-477-347-14
; Sequence 14, Application US/08477347
; Patent No. 6232446
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BIGDA, Jacek
; APPLICANT: BELETSKY, Igor
; APPLICANT: METT, Igor
; TITLE OF INVENTION: TNF LIGANDS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,347
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/115,685
; FILING DATE:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: IL 106271
; FILING DATE: 08-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, G. Kevin
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: WALLACH=10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-477-347-14

Query Match 100.0%; Score 59; DB 3; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
| | | | | | | | | |
Db 75 RTONTKCRCK 84

RESULT 3
US-08-476-862-5
; Sequence 5, Application US/08476862
; Patent No. 6262239
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BIGDA, Jacek
; APPLICANT: BELETSKY, Igor
; APPLICANT: METT, Igor
; APPLICANT: ENGELMANN, Hartmut
; TITLE OF INVENTION: TNF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,862
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: IL 107267
; FILING DATE: 12-OCT-1993
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: IL 94039
; FILING DATE: 06-APR-1990
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: IL 91229
; FILING DATE: 06-AUG-1989
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: IL 90339
; FILING DATE: 18-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH=12A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-476-862-5

Query Match 100.0%; Score 59; DB 3; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
| | | | | | | | | |
Db 75 RTONTKCRCK 84

RESULT 4
US-08-468-560C-3
; Sequence 3, Application US/08468560C
; Patent No. 6270998
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu
; APPLICANT: ITOH, Naoto
; APPLICANT: YONEHARA, Shin
; TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
; STREET: P.O. BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,560C
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR., GERLAD M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 20-4393P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-560C-3

Query Match 100.0%; Score 59; DB 3; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||
DB 75 RTONTKCRCK 84

RESULT 5
US-08-828-683A-15
Sequence 15, Application US/08828683A
Patent No. 6469144
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPacIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/828,683A
FILING DATE: 31-Mar-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/625328
FILING DATE: 1-Apr-1996
APPLICATION NUMBER: 08/710802
FILING DATE: 23-Sep-1996
ATTORNEY/AGENT INFORMATION:
NAME: Marshang, Diane L.
REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: P1007P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5416
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:

US-08-828-683A-15

Query Match 100.0%; Score 59; DB 4; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||
DB 74 RTONTKCRCK 83

RESULT 6
US-09-800-909-5

Sequence 5, Application US/09800909
Patent No. 655111

GENERAL INFORMATION:

APPLICANT: WALLACH, David

APPLICANT: BIGDA, Jacek

APPLICANT: BELETSKY, Igor

APPLICANT: METT, Igor

APPLICANT: ENGELMANN, Hartmut

TITLE OF INVENTION: TNF INHIBITORS

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:
ADDRESS: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800,909
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,862
FILING DATE:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989

PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989

ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH-12A

TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-800-909-5

Query Match 100.0%; Score 59; DB 4; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||||

Db 75 RTONTKCRCK 84

RESULT 7

US-09-180-100-9
; Sequence 9, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-9

Query Match 100.0%; Score 59; DB 4; Length 128;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 76 RTONTKCRCK 85

RESULT 8

US-09-180-100-10
; Sequence 10, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-10

Query Match 100.0%; Score 59; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 76 RTONTKCRCK 85

RESULT 9

US-09-180-100-21
; Sequence 21, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100

; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-21

Query Match 100.0%; Score 59; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 92 RTONTKCRCK 101

RESULT 10

US-09-180-100-15
; Sequence 15, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-15

Query Match 100.0%; Score 59; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
| | | | | | | |
Db 105 RTONTKCRCK 114

RESULT 11

US-09-180-100-23
; Sequence 23, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 630639510
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-23

Query Match 100.0%; Score 59; DB 4; Length 159;
Best Local Similarity 100.0%; Pred. No. 0.02;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 RTONTKCRCK 10
DB 92 RTONTKCRCK 101

RESULT 12

US-08-828-683A-22
Sequence 22, Application US/08828683A
Patent No. 6469144
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/828,683A
FILING DATE: 31-Mar-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/625328
FILING DATE: 1-Apr-1996
APPLICATION NUMBER: 08/710802
FILING DATE: 23-Sep-1996
ATTORNEY/AGENT INFORMATION:
NAME: Marschang, Diane L.
REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: P1007P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5416
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 amino acids
TYPE: AMINO ACID
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-08-828-683A-22
Query Match 100.0%; Score 59; DB 4; Length 167;
Best Local Similarity 100.0%; Pred. No. 0.02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 RTONTKCRCK 10
DB 121 RTONTKCRCK 130

RESULT 13

US-08-974-022-45
Sequence 45, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.

STREET: 1640 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 219 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-45

Query Match 100.0%; Score 59; DB 3; Length 219;
Best Local Similarity 100.0%; Pred. No. 0.026;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
DB 121 RTONTKCRCK 130

RESULT 14

US-08-795-445A-45
Sequence 45, Application US/08795445A
Patent No. 6284485
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1640 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,445A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:

LENGTH: 219 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-445A-45

Query Match 100.0%; Score 59; DB 3; Length 219;
Best Local Similarity 100.0%; Pred. No. 0.026;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
|||||
Db 121 RTONTKCRCK 130

RESULT 15
US-08-795-447A-45
Sequence 45, Application US/08795447A

PATENT No. 6284728
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: Osteoprotegerin
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: One Amgen Center Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91362-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,447A
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378D2
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 219 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-447A-45

Query Match 100.0%; Score 59; DB 3; Length 219;
Best Local Similarity 100.0%; Pred. No. 0.026;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
|||||
Db 121 RTONTKCRCK 130

Search completed: February 20, 2004, 13:35:01
Job time: 1.33164 secs

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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds

(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-52

Perfect score: 1246
Sequence: 1 MERDITLLWLLWLVPGSTG.....EYTHQGLSSPYTKSPFRGEC 238Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 4231058 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
- 2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
- 3: /cgn2_6/prodata/1/1aa/6A.COMB.pep:*
- 4: /cgn2_6/prodata/1/1aa/6B.COMB.pep:*
- 5: /cgn2_6/prodata/1/1aa/PCUS.COMB.pep:*
- 6: /cgn2_6/prodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	1032	82.8	218 5 PCT-US96-13152-2	Sequence 2, Appl1
2	1028	82.5	240 4 US-09-301-593-36	Sequence 36, Appl1
3	1018	81.7	218 2 US-08-887-3528-13	Sequence 13, Appl1
4	1018	81.7	218 3 US-08-466-151-9	Sequence 9, Appl1
5	1018	81.7	218 3 US-09-109-207C-13	Sequence 11, Appl1
6	1018	81.7	218 3 US-09-236-005-13	Sequence 13, Appl1
7	1018	81.7	218 4 US-08-466-163B-9	Sequence 9, Appl1
8	995	79.9	218 3 US-08-282-505-1	Sequence 1, Appl1
9	995	79.9	218 3 US-09-054-355-1	Sequence 1, Appl1
10	995	79.9	218 4 US-09-282-846-1	Sequence 1, Appl1
11	995	79.9	218 4 US-09-680-145-1	Sequence 1, Appl1
12	992	79.6	218 2 US-08-887-3528-15	Sequence 15, Appl1
13	992	79.6	218 2 US-08-887-3528-17	Sequence 17, Appl1
14	992	79.6	218 2 US-08-887-3528-19	Sequence 19, Appl1
15	992	79.6	218 2 US-08-887-3528-24	Sequence 24, Appl1
16	992	79.6	218 3 US-09-109-207C-15	Sequence 15, Appl1
17	992	79.6	218 3 US-09-109-207C-17	Sequence 17, Appl1
18	992	79.6	218 3 US-09-109-207C-19	Sequence 19, Appl1
19	992	79.6	218 3 US-09-109-207C-24	Sequence 24, Appl1
20	992	79.6	218 3 US-09-236-005-15	Sequence 15, Appl1
21	992	79.6	218 3 US-09-236-005-17	Sequence 17, Appl1
22	992	79.6	218 3 US-09-236-005-19	Sequence 19, Appl1
23	992	79.6	218 3 US-09-236-005-24	Sequence 24, Appl1
24	969.5	77.8	241 2 US-07-916-098A-56	Sequence 56, Appl1
25	965.5	77.5	239 3 US-08-487-550-6	Sequence 6, Appl1
26	965.5	77.5	239 4 US-09-526-098-6	Sequence 6, Appl1
27	963	77.3	234 4 US-09-740-002-24	Sequence 24, Appl1

28	959	77.0	234 3 US-09-049-672A-6	Sequence 6, Appl1
29	940.5	75.5	233 2 US-07-934-373C-25	Sequence 25, Appl1
30	940.5	75.5	233 3 US-08-437-642B-25	Sequence 25, Appl1
31	940.5	75.5	233 4 US-08-146-206C-25	Sequence 25, Appl1
32	940.5	75.5	233 5 PCT-US93-07832-25	Sequence 25, Appl1
33	940.5	75.5	235 3 US-09-171-945-97	Sequence 97, Appl1
34	938	75.3	240 4 US-09-301-593-28	Sequence 28, Appl1
35	937	75.2	214 2 US-07-934-373C-39	Sequence 39, Appl1
36	937	75.2	214 3 US-08-437-642B-39	Sequence 39, Appl1
37	937	75.2	214 5 PCT-US93-07832-39	Sequence 39, Appl1
38	935.5	75.1	235 1 US-08-276-852-153	Sequence 153, App
39	935.5	75.1	235 1 US-08-899-575-153	Sequence 153, App
40	935.5	75.1	235 1 US-08-899-575-153	Sequence 153, App
41	935.5	75.1	235 5 PCT-US95-08743-153	Sequence 153, App
42	932.5	74.8	235 3 US-09-171-945-99	Sequence 99, Appl1
43	932	74.8	214 2 US-07-934-373C-40	Sequence 40, Appl1
44	932	74.8	214 2 US-08-788-800-11	Sequence 11, Appl1
45	932	74.8	214 3 US-08-437-642B-40	Sequence 40, Appl1

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Pelfe & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3864
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 82.8%; Score 1032; DB 5; Length 218;
Best Local Similarity 89.9%; Pred. No. 1.5e-78;
Matches 196; Conservative 11; Mismatches 11; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCKASQSVYDGDSDYNNWYQKPGQAPRLIYAASNILES 80
 Db 1 DIQWTGSPSSLSASVGVDRVITTCASQSVYDGDSDYNNWYQKPGKAPRLIYAASNILES 60
 QY 81 GIDPRFSGSGSGDTFTLTHPVEEDATYCCQSNEDPRTFGGTLEIKRTVAAPSVF 140
 Db 61 GIDPRFSGSGSGDTFTLTHPVEEDATYCCQSNEDPRTFGGTLEIKRTVAAPSVF 120
 QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQSVTEBDSKDYSTLS 200
 Db 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQSVTEBDSKDYSTLS 180
 QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 238
 Db 181 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 218

RESULT 2
 US-09-301-593-36
 ; Sequence 36, Application US/09301593A
 ; Patent No. 6455677
 ; GENERAL INFORMATION:
 ; APPLICANT: Park, John E.
 ; APPLICANT: Gartin-Cheea, Pilar
 ; APPLICANT: Bamberger, Uwe
 ; APPLICANT: Legier, Olivier
 ; APPLICANT: Saldanha, Jose W.
 ; APPLICANT: Rettig, Wolfgang J.
 ; TITLE OF INVENTION: PAP-specific Antibody with Improved Producibility
 ; FILE REFERENCE: 0652.1890001
 ; CURRENT APPLICATION NUMBER: US/09/301,593A
 ; CURRENT FILING DATE: 1999-04-29
 ; EARLIER APPLICATION NUMBER: EP 98107925.4
 ; EARLIER FILING DATE: 1998-04-30
 ; EARLIER APPLICATION NUMBER: US 60/086,049
 ; EARLIER FILING DATE: 1998-05-18
 ; NUMBER OF SEQ ID NOS: 108
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 36
 ; LENGTH: 240
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-301-593-36

Query Match 82.5%; Score 1028; DB 4; Length 240;
 Best Local Similarity 82.1%; Pred. No. 3.5e-78;
 Matches 197; Conservative 20; Mismatches 21; Indels 2; Gaps 1;

QY 1 METDTLLWVLLWVPGSTGDIVLTGPGTSLSPGERATLSCKASQSVYDGD--SYNN 58
 Db 1 METDTLLWVLLWVPGSGDIVLTGPGTSLSPGERATLNCSSQSLYSRNQKLYA 60
 QY 59 WYQKPGQAPRLIYAASNILESIGIDPRFSGSGSGDTFTLTHPVEEDATYCCQSNED 118
 Db 61 WYQKPGQAPRLIYFMSSTRESGVDRFSGSGDTFTLTHPVEEDATYCCQSVF 120
 QY 119 PRTFGGTLEIKRTVAAPSVFIFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNAL 178
 Db 121 PLTFGGGTLEIKRTVAAPSVFIFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNAL 180
 QY 179 QSGNSQSVTEBDSKDYSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 238
 Db 181 QSGNSQSVTEBDSKDYSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 240

RESULT 3
 US-08-887-352B-13
 ; Sequence 13, Application US/08887352B
 ; Patent No. 5994511
 ; GENERAL INFORMATION:
 ; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
 ; TITLE OF INVENTION: Improved Anti-19b Antibodies and Method of

; TITLE OF INVENTION: Improving Polypeptides
 ; NUMBER OF SEQUENCES: 26
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPacIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/887,352B
 ; FILING DATE: 03-Jul-1997
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Svoboda, Craig G.
 ; REGISTRATION NUMBER: 39,044
 ; REFERENCE/DOCKET NUMBER: P1123
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650/225-1489
 ; TELEFAX: 650/952-9881
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 218 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; US-08-887-352B-13

Query Match 81.7%; Score 1018; DB 2; Length 218;
 Best Local Similarity 88.5%; Pred. No. 2.1e-77;
 Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCKASQSVYDGDSDYNNWYQKPGQAPRLIYAASNILES 80
 Db 1 DIQWTGSPSSLSASVGVDRVITTCASQSVYDGDSDYNNWYQKPGKAPRLIYAASNILES 60
 QY 81 GIDPRFSGSGSGDTFTLTHPVEEDATYCCQSNEDPRTFGGTLEIKRTVAAPSVF 140
 Db 61 GIDPRFSGSGSGDTFTLTHPVEEDATYCCQSNEDPRTFGGTLEIKRTVAAPSVF 120
 QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQSVTEBDSKDYSTLS 200
 Db 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQSVTEBDSKDYSTLS 180
 QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 238
 Db 181 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 218

RESULT 4
 US-08-466-151-9
 ; Sequence 9, Application US/08466151
 ; Patent No. 6037453
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; APPLICANT: Presta, Leonard G.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: MainPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-9

Query Match 81.7%; Score 1018; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 2.1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGDSDSYNNWYQOKRGAAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVYDGDSDSYNNWYQOKRGAAPRLIYAASNLES 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEBEDATYYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYYCCQSHEDPRTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSITYSL 200
DB 121 IPPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSITYSL 180
QY 201 STLTLSRADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSRADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 5
US-09-109-207C-13
Sequence 13, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
PRIOR APPLICATION NUMBER: 1998-06-30
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial

LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAB11
US-09-109-207C-13

Query Match 81.7%; Score 1018; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 2.1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGDSDSYNNWYQOKRGAAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVYDGDSDSYNNWYQOKRGAAPRLIYAASNLES 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEBEDATYYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYYCCQSHEDPRTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSITYSL 200
DB 121 IPPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSITYSL 180
QY 201 STLTLSRADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSRADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 6
US-09-296-005-13
Sequence 13, Application US/09296005
Patent No. 6290957
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123C1r
CURRENT APPLICATION NUMBER: US/09/296,005
PRIOR FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 08/887,352
EARLIER FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAB11
US-09-296-005-13

Query Match 81.7%; Score 1018; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 2.1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSGTSLSPGERATLSCKASQSVYDGDSDSYNNWYQOKRGAAPRLIYAASNLES 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVYDGDSDSYNNWYQOKRGAAPRLIYAASNLES 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEBEDATYYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYYCCQSHEDPRTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSITYSL 200
DB 121 IPPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEQDSKDSITYSL 180
QY 201 STLTLSRADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSRADYERKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 7
US-08-466-163B-9
Sequence 9, Application US/08466163B
Patent No. 6329509

GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 9
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: humanized mael, version 1, light chain
US-08-466-163B-9

Query Match 81.7%; Score 1018; DB 4; Length 218;
Best Local Similarity 88.5%; Pred. No. 2,1e-77;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKASQVDYDGSYNNWYQKRGKAPKLLIYAASYLE 80
DB 1 DIQLTGSPSSLASVGDRTYITTCRAKPYDGBDSYNNWYQKRGKAPKLLIYAASYLE 60
QY 81 GIPDRFSGSGSDPTFTLTHPVEEDATATYCCQSNEDPTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSDPTFTLTHPVEEDATATYCCQSNEDPTFGQGTLEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 8
US-09-282-505-1
Sequence 1, Application US/09282505A
Patent No. 6194551
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduse Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R1
CURRENT APPLICATION NUMBER: US/09/282,505A
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Artificial Sequence
LOCATION: 1-218
OTHER INFORMATION: Sequence is completely synthesized
Patent No. 6194551
US-09-282-505-1

Query Match 79.9%; Score 995; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 1,7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKASQVDYDGSYNNWYQKRGKAPKLLIYAASYLE 80
DB 1 DIQLTGSPSSLASVGDRTYITTCRAKPYDGBDSYNNWYQKRGKAPKLLIYAASYLE 60

DB 1 DIQLTGSPSSLASVGDRTYITTCRAKPYDGBDSYNNWYQKRGKAPKLLIYAASYLE 60
QY 81 GIPDRFSGSGSDPTFTLTHPVEEDATATYCCQSNEDPTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSDPTFTLTHPVEEDATATYCCQSNEDPTFGQGTLEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 9
US-09-054-255-1
Sequence 1, Application US/09054255
Patent No. 6242195
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduse Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266
CURRENT APPLICATION NUMBER: US/09/054,255
CURRENT FILING DATE: 1998-04-02
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: E27 anti-1G5 antibody light chain
US-09-054-255-1

Query Match 79.9%; Score 995; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 1,7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKASQVDYDGSYNNWYQKRGKAPKLLIYAASYLE 80
DB 1 DIQLTGSPSSLASVGDRTYITTCRAKPYDGBDSYNNWYQKRGKAPKLLIYAASYLE 60
QY 81 GIPDRFSGSGSDPTFTLTHPVEEDATATYCCQSNEDPTFGQGTLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSDPTFTLTHPVEEDATATYCCQSNEDPTFGQGTLEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVVCCLNNFPYPRKAVQKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 10
US-09-282-846-1
Sequence 1, Application US/09282846
Patent No. 6526624
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduse Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R2
CURRENT APPLICATION NUMBER: US/09/282,846
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Artificial Sequence
LOCATION: 1-218

OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query Match 79.9%; Score 995; DB 4; Length 218;
Best Local Similarity 86.7%; Pred. No. 1.7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCKASQSVDDGDSYNNMWYQOKPGAPRLIYAASNIES 80
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QY 81 GIDPRFSGSGGTDFTLTIHPVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGGTDFTLTISSLPEDPATYCCQSHEDPYTFGGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVCLNNFYPRAKQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLNNFYPRAKQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 11

US-09-680-145-1
; Sequence 1, Application US/09680145
; Patent No. 6538124
; GENERAL INFORMATION:
; APPLICANT: Eschoe Ekinadese Idusogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/282,505
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124
US-09-680-145-1

Query Match 79.9%; Score 995; DB 4; Length 218;
Best Local Similarity 86.7%; Pred. No. 1.7e-75;
Matches 189; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCKASQSVDDGDSYNNMWYQOKPGAPRLIYAASNIES 80
DB 1 DIQLTGSPSLASVGBRVITTCRAKSPVDEGDSYNNMWYQOKPGAPRLIYAASNIES 60
QY 81 GIDPRFSGSGGTDFTLTIHPVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGGTDFTLTISSLPEDPATYCCQSHEDPYTFGGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVCLNNFYPRAKQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLNNFYPRAKQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 12
US-08-887-352B-15
; Sequence 15, Application US/08887352B

Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA

ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPacIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-15

Query Match 79.6%; Score 992; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 3.1e-75;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCKASQSVDDGDSYNNMWYQOKPGAPRLIYAASNIES 80
DB 1 DIQLTGSPSLASVGBRVITTCRAKSPVDEGDSYNNMWYQOKPGAPRLIYAASNIES 60
QY 81 GIDPRFSGSGGTDFTLTIHPVEBEDAATYCCQSNEDPRTFGGCTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGGTDFTLTISSLPEDPATYCCQSHEDPYTFGGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVCLNNFYPRAKQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLNNFYPRAKQWKVDNALQSGNSQESVTEBDSKDSSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 13
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080


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Qy 21 DIVTOSPTGLTSLSPGERATLSCASQSVYDSDSYNMTYQOKPGOAPRLIYAASNL8S 80
Db 1 DIQLTQSPSLASVGBRVITTCRASKPVGBEGSYLNTYQOKPKAPKLLIYAASYLE8S 60
Qy 81 GIPDRFSGSGGTDFVTLTHPVEEEDATYYCQGSNEDPRTFGGTRLEIKRTVAAPSVF 140
Db 61 GVPDRFSGSGGTDFVTLTHPVEEEDATYYCQGSNEDPRTFGGTRLEIKRTVAAPSVF 120
Qy 141 IPPPSDEQLKSGTASVVCCLNNFPYREAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
Db 121 IPPPSDEQLKSGTASVVCCLNNFPYREAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
Qy 201 STLTLSKADYKHKVYACRYTHOGLSSPTKSPFRGEC 238
Db 181 STLTLSKADYKHKVYACRYTHOGLSSPTKSPFRGEC 218

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds

(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-50

Perfect score: 1242
Sequence: 1 METDTLLMVLWLLMVPSTG.....EYTHQGLSPVTSFNRGEC 238Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubppaa/PTC_NEW_PUB.pep:*
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- 18: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1242	100.0	238	12	US-10-384-933-50 Sequence 50, Appl
2	1242	100.0	238	15	US-10-216-484-50 Sequence 50, Appl
3	1230	99.0	238	12	US-10-384-933-107 Sequence 107, Appl
4	1230	99.0	238	15	US-10-216-484-107 Sequence 107, Appl
5	1202	96.8	238	12	US-10-384-933-52 Sequence 52, Appl
6	1202	96.8	238	15	US-10-216-484-52 Sequence 52, Appl
7	1195	96.2	238	12	US-10-384-933-109 Sequence 109, Appl
8	1195	96.2	238	15	US-10-216-484-109 Sequence 109, Appl
9	1194	96.1	238	12	US-10-384-933-54 Sequence 54, Appl
10	1194	96.1	238	15	US-10-216-484-54 Sequence 54, Appl
11	1172	94.4	238	12	US-10-384-933-129 Sequence 129, Appl
12	1172	94.4	238	15	US-10-216-484-129 Sequence 129, Appl
13	1169	94.1	238	12	US-10-384-933-131 Sequence 131, Appl
14	1169	94.1	238	15	US-10-216-484-131 Sequence 131, Appl
15	1168	94.0	238	12	US-10-384-933-127 Sequence 127, Appl

16	1168	94.0	238	15	US-10-216-484-127	Sequence 127, App
17	1134	91.3	238	12	US-10-353-708-38	Sequence 38, Appl
18	1134	91.3	238	15	US-10-353-708-56	Sequence 56, Appl
19	1134	91.3	238	15	US-10-171-452A-38	Sequence 38, Appl
20	1134	91.3	238	15	US-10-171-452A-56	Sequence 56, Appl
21	1124	90.5	238	12	US-10-353-708-44	Sequence 44, Appl
22	1124	90.5	238	15	US-10-353-708-50	Sequence 50, Appl
23	1124	90.5	238	15	US-10-171-452A-44	Sequence 44, Appl
24	1124	90.5	238	15	US-10-171-452A-50	Sequence 50, Appl
25	1061.5	85.5	235	15	US-10-153-382-7	Sequence 7, Appl
26	1048	84.4	236	10	US-09-859-053-34	Sequence 34, Appl
27	1047	84.3	234	9	US-10-153-382-15	Sequence 15, Appl
28	1045	84.1	218	9	US-09-917-410-2	Sequence 2, Appl
29	1044.5	84.1	233	15	US-10-153-382-11	Sequence 11, Appl
30	1040	83.7	236	10	US-09-859-053-38	Sequence 38, Appl
31	1038	83.6	218	11	US-09-925-179-67	Sequence 67, Appl
32	1036	83.4	218	12	US-10-449-566-98	Sequence 98, Appl
33	1033	83.2	240	12	US-10-159-006-36	Sequence 36, Appl
34	1031	83.0	218	9	US-09-802-077-9	Sequence 9, Appl
35	1031	83.0	218	9	US-09-802-096-9	Sequence 9, Appl
36	1031	83.0	218	9	US-09-920-171-13	Sequence 13, Appl
37	1031	83.0	218	11	US-09-925-179-9	Sequence 9, Appl
38	1031	83.0	218	12	US-10-113-996-13	Sequence 13, Appl
39	1026.5	82.6	334	12	US-10-291-265-804	Sequence 804, App
40	1026.5	82.6	384	12	US-10-291-265-805	Sequence 805, App
41	1026.5	82.6	384	12	US-10-291-265-806	Sequence 806, App
42	1026.5	82.6	384	12	US-10-291-265-807	Sequence 807, App
43	1026	82.6	218	12	US-10-353-708-39	Sequence 39, Appl
44	1026	82.6	218	12	US-10-353-708-57	Sequence 57, Appl
45	1026	82.6	218	15	US-10-171-452A-39	Sequence 39, Appl

ALIGNMENTS

RESULT 1
US-10-384-933-50
Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/459, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 100.0%; Score 1242; DB 12; Length 238;
Best local similarity 100.0%; Pred. No. 7.9e-80;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLMVLWLLMVPSTGDIYVLTQSPGTLISFGERATLSCRAQSVDYDGSYNNWY 60
DB 1 METDTLLMVLWLLMVPSTGDIYVLTQSPGTLISFGERATLSCRAQSVDYDGSYNNWY 60
QY 61 QQRGQAPRLIYVAASTLSEGIPIPRFSGSGNDFTLTIRLPAQAVVYCCQSNDR 120

Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDTFTLTISRLEPADFAVYCCQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIIPPSEBOLKSGTASVCLNNFYPRBAKVMKVDNALOS 180
Db 121 TFGGTRLEIKRTVAAPSVFIIPPSEBOLKSGTASVCLNNFYPRBAKVMKVDNALOS 180
Qy 181 GNSQSVTEQDSKOSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPNNGEC 238
Db 181 GNSQSVTEQDSKOSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPNNGEC 238

RESULT 2
US-10-216-484-50
Sequence 50, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 100.0%; Score 1242; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 7.9e-90;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDTFTLTISRLEPADFAVYCCQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDTFTLTISRLEPADFAVYCCQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIIPPSEBOLKSGTASVCLNNFYPRBAKVMKVDNALOS 180
Db 121 TFGGTRLEIKRTVAAPSVFIIPPSEBOLKSGTASVCLNNFYPRBAKVMKVDNALOS 180
Qy 181 GNSQSVTEQDSKOSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPNNGEC 238
Db 181 GNSQSVTEQDSKOSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPNNGEC 238

RESULT 3
US-10-384-933-107
Sequence 107, Application US/10384933
Publication No. US200301070817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US200301070817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 99.0%; Score 1230; DB 12; Length 238;
Best Local Similarity 98.7%; Pred. No. 6.9e-89;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDTFTLTISRLEPADFAVYCCQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDTFTLTISRLEPADFAVYCCQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIIPPSEBOLKSGTASVCLNNFYPRBAKVMKVDNALOS 180
Db 121 TFGGTRLEIKRTVAAPSVFIIPPSEBOLKSGTASVCLNNFYPRBAKVMKVDNALOS 180
Qy 181 GNSQSVTEQDSKOSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPNNGEC 238
Db 181 GNSQSVTEQDSKOSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPNNGEC 238

RESULT 4
US-10-216-484-107
Sequence 107, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 99.0%; Score 1230; DB 15; Length 238;
Best Local Similarity 98.7%; Pred. No. 6.9e-89;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDTFTLTISRLEPADFAVYCCQSNEDPR 120

Db 61 QOKRGAAPRLIYAASNTESGIPDRFSGSGGTDTFTLTSLRLEPADFAVYCCOQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPREAKVQWKVDNALOS 180
Db 121 TFGGTRLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPREAKVQWKVDNALOS 180
Qy 181 GNSGSVTEBDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSGSVTEBDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 5

US-10-384-933-52
; Sequence 52, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-52

Query Match 96.8%; Score 1202; DB 12; Length 238;
Best Local Similarity 97.1%; Pred. No. 1.1e-86;
Matches 231; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
Qy 1 METDTITLWVLLWPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTITLWVLLWPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNTESGIPDRFSGSGGTDTFTLTSLRLEPADFAVYCCOQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNTESGIPDRFSGSGGTDTFTLTSLRLEPADFAVYCCOQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPREAKVQWKVDNALOS 180
Db 121 TFGGTRLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPREAKVQWKVDNALOS 180
Qy 181 GNSGSVTEBDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSGSVTEBDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 6

US-10-216-484-52
; Sequence 52, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG

; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-52

Query Match 96.8%; Score 1202; DB 15; Length 238;
Best Local Similarity 97.1%; Pred. No. 1.1e-86;
Matches 231; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
Qy 1 METDTITLWVLLWPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTITLWVLLWPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNTESGIPDRFSGSGGTDTFTLTSLRLEPADFAVYCCOQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNTESGIPDRFSGSGGTDTFTLTSLRLEPADFAVYCCOQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPREAKVQWKVDNALOS 180
Db 121 TFGGTRLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPREAKVQWKVDNALOS 180
Qy 181 GNSGSVTEBDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSGSVTEBDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 7

US-10-384-933-109
; Sequence 109, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-109

Query Match 96.2%; Score 1195; DB 12; Length 238;
Best Local Similarity 96.2%; Pred. No. 3.8e-86;
Matches 229; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
Qy 1 METDTITLWVLLWPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTITLWVLLWPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60

```

Qy 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDFTLITISRLPADFAVITYCOQSNEDPR 120
Db 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDFTLITIHVEBEDATYTCQQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYREAKVQMKVDNALQS 180
Db 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYREAKVQMKVDNALQS 180
Qy 181 GNSQESVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 8
US-10-216-484-109
Sequence 109, Application US/10216484
Publication No. US20030103976A1

```

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Toku
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: US/10/216,484
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

```

```

Query Match 96.2%; Score 1195; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 3.8e-86;
Matches 229; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Qy 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDFTLITISRLPADFAVITYCOQSNEDPR 120
Db 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDFTLITIHVEBEDATYTCQQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYREAKVQMKVDNALQS 180
Db 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYREAKVQMKVDNALQS 180
Qy 181 GNSQESVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 9
US-10-384-933-54
Sequence 54, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Toku
TITLE OF INVENTION: Anti-Fas Antibodies

```

FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

```

```

Query Match 96.1%; Score 1194; DB 12; Length 238;
Best Local Similarity 96.2%; Pred. No. 4.6e-86;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Qy 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDFTLITISRLPADFAVITYCOQSNEDPR 120
Db 61 QOKGQAPRLIYAASNLSEGIPIPRFSGSGGTDFTLITIHVEBEDATYTCQQSNEDPR 120
Qy 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYREAKVQMKVDNALQS 180
Db 121 TFGGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYREAKVQMKVDNALQS 180
Qy 181 GNSQESVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEQDSKQSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 10
US-10-216-484-54
Sequence 54, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Toku
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: US/10/216,484
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-54

```

Query Match 96.1%; Score 1194; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 4.6e-86;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQVDYDGSYNMWY 60

```



```
QY 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTLTLISLBPADPAVYVYCOQSNEDPR 120
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTLTLIHVEEDDAATYVYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTVAASVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGCTLEIKRTVAASVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEBDSKDSYSLSTLTLISKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEBDSKDSYSLSTLTLISKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
```

RESULT 11

```
US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-129
```

```
Query Match 94.4%; Score 1172; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 2.4e-84;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCRAQSVDYDGDSDYNNWY 60
      1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCRAQSVDYDGDSDYNNWY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCRAQSVDYDGDSDYNNWY 60
QY 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTLTLISLBPADPAVYVYCOQSNEDPR 120
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTLTLISLBPADPAVYVYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTVAASVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTVAASVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEBDSKDSYSLSTLTLISKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQESVTEBDSKDSYSLSTLTLISKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
```

```
RESULT 12
US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
```

```
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-129
```

```
Query Match 94.4%; Score 1172; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 2.4e-84;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCRAQSVDYDGDSDYNNWY 60
      1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCRAQSVDYDGDSDYNNWY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCRAQSVDYDGDSDYNNWY 60
QY 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTLTLISLBPADPAVYVYCOQSNEDPR 120
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGAAPRLIYAASNLSEGIPIPRFSGSGGTDTLTLISLBPADPAVYVYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTVAASVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTVAASVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQESVTEBDSKDSYSLSTLTLISKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQESVTEBDSKDSYSLSTLTLISKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
```

```
RESULT 13
US-10-384-933-131
; Sequence 131, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131
```

```
Query Match 94.1%; Score 1169; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 4.2e-84;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCRAQSVDYDGDSDYNNWY 60
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

```

Db      1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Qy      61 OQKPGQAPRLIIYAASNLSESGIPDRFSGSGGTDFLTISRLEPADFAVYYCOQSNEDPR 120
        61 OQKPGKAPFLIIYAASNLSESGIPSRFSGSGGTDFLTISRLEPADFAVYYCOQSNEDPR 120
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVIVCLINNFYPREAKVQMWKVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVIVCLINNFYPREAKVQMWKVDNALQS 180
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVIVCLINNFYPREAKVQMWKVDNALQS 180
Qy      181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db      181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 14
US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

Query Match      94.1%; Score 1169; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 4.2e-84;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

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; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

Query Match      94.0%; Score 1168; DB 12; Length 238;
Best Local Similarity 92.4%; Pred. No. 5e-84;
Matches 220; Conservative 10; Mismatches 8; Indels 0; Gaps 0;

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Qy      1 METDTLLWVLLMWPGSTGDIIVLTQSPGTLSPGERATLSCKASQSVYDGDSDYNNMY 60
        1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Db      1 METDTLLWVLLMWPGSTGDIIVLTQSPSSLSASVGRVITTCASQSVYDGDSDYNNMY 60
Qy      61 OQKPGQAPRLIIYAASNLSESGIPDRFSGSGGTDFLTISRLEPADFAVYYCOQSNEDPR 120
        61 OQKPGKAPFLIIYAASNLSESGVSRFSGSGGTDFLTISRLEPADFAVYYCOQSNEDPR 120
Db      61 OQKPGKAPFLIIYAASNLSESGVSRFSGSGGTDFLTISRLEPADFAVYYCOQSNEDPR 120
Qy      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVIVCLINNFYPREAKVQMWKVDNALQS 180
        121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVIVCLINNFYPREAKVQMWKVDNALQS 180
Db      121 TFGQGTREIKRTVAAPSVFIFPPSDEQLKSGTASVIVCLINNFYPREAKVQMWKVDNALQS 180
Qy      181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db      181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

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Search completed: February 20, 2004, 14:25:29
Job time : 18.0486 secs

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RESULT 15
US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko

```

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 / Search time 7.89311 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-50

Sequence: 1 METDTILWVLLWVPGSTG.....EYTHQGLSPVTKFRRGRC 238

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:*
1: /cgn2_6/prodata/1/aa/5A.COMB.pep:*
2: /cgn2_6/prodata/1/aa/5B.COMB.pep:*
3: /cgn2_6/prodata/1/aa/5A.COMB.pep:*
4: /cgn2_6/prodata/1/aa/5B.COMB.pep:*
5: /cgn2_6/prodata/1/aa/PCTUS.COMB.pep:*
6: /cgn2_6/prodata/1/aa/backfillset1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1045	84.1	218	5	PCT-US96-13152-2
2	1033	83.2	240	4	US-09-301-593-36
3	1031	83.0	218	2	US-08-887-352B-13
4	1031	83.0	218	3	US-08-466-151-9
5	1031	83.0	218	3	US-09-109-207C-13
6	1031	83.0	218	3	US-09-296-005-13
7	1031	83.0	218	4	US-08-466-163B-9
8	1008	81.2	218	3	US-09-283-505-1
9	1008	81.2	218	3	US-09-054-255-1
10	1008	81.2	218	4	US-09-283-846-1
11	1008	81.2	218	4	US-09-680-145-1
12	1005	80.9	218	2	US-08-887-352B-15
13	1005	80.9	218	2	US-08-887-352B-19
14	1005	80.9	218	2	US-08-887-352B-24
15	1005	80.9	218	2	US-09-109-207C-15
16	1005	80.9	218	3	US-09-109-207C-17
17	1005	80.9	218	3	US-09-109-207C-19
18	1005	80.9	218	3	US-09-109-207C-24
19	1005	80.9	218	3	US-09-296-005-15
20	1005	80.9	218	3	US-09-296-005-17
21	1005	80.9	218	3	US-09-296-005-19
22	1005	80.9	218	3	US-09-296-005-24
23	1005	80.9	218	3	US-09-296-005-24
24	974.5	78.5	234	4	US-09-740-002-24
25	971	78.1	234	4	US-09-049-672A-6
26	970	77.7	239	3	US-08-467-550-6
27	964.5	77.7	239	3	US-08-467-550-6

28	964.5	77.7	239	4	US-09-526-098-6	Sequence 6, Appli
29	954.5	76.9	235	1	US-08-276-852-153	Sequence 153, App
30	954.5	76.9	235	1	US-08-899-575-153	Sequence 153, App
31	954.5	76.9	235	1	US-08-899-575-153	Sequence 153, App
32	954.5	76.9	235	5	PCT-US95-08743-153	Sequence 25, Appl
33	953.5	76.8	233	3	US-07-934-373C-25	Sequence 25, Appl
34	953.5	76.8	233	4	US-08-437-642B-25	Sequence 25, Appl
35	953.5	76.8	233	4	US-08-146-206C-25	Sequence 25, Appl
36	953.5	76.8	233	5	PCT-US93-07832-25	Sequence 39, Appl
37	950	76.5	214	2	US-07-934-373C-39	Sequence 39, Appl
38	950	76.5	214	2	US-08-437-642B-39	Sequence 39, Appl
39	950	76.5	214	5	PCT-US93-07832-39	Sequence 39, Appl
40	950	76.5	236	1	US-08-157-101A-5	Sequence 5, Appli
41	947.5	76.3	214	2	US-08-480-753-6	Sequence 6, Appli
42	947.5	76.3	214	3	US-09-041-889-11	Sequence 11, Appl
43	947.5	76.3	214	3	US-08-837-058-11	Sequence 11, Appl
44	947.5	76.3	214	4	US-09-417-264-11	Sequence 11, Appl
45	946.5	76.2	235	3	US-09-171-945-97	Sequence 97, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2

Sequence 2, Application PC/TUS9613152

GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fail

NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:

ADDRESSEE: Felle & Lynch
ADDRESS: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.

ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152

FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953

FILING DATE: 27-Dec-95

APPLICATION NUMBER: EP 95 112 895.8

FILING DATE: 17-Aug-95

APPLICATION NUMBER: EP 95 114 969.9

FILING DATE: 19-Sep-95

ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson

REGISTRATION NUMBER: 30,946

REFERENCE/DOCKET NUMBER: BOER 1059-PCT-BFF/NDH

TELEPHONE: (212) 838-3884

TELEFAX: (212) 838-3884

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 218

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULAR TYPE: protein

PCT-US96-13152-2

Query Match

Best Local Similarity 90.8%; Pred. No. 4.4e-83;
Matches 198; Conservative 10; Mismatches 10; Gaps 0;

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QY 21 DIVLTGPGTSLSPGERATLSCRASQSVDDGDSYNNWYQKQGAAPRLIYAASNLES 80
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1 DIQMTGSPSSLSASVGRVITTCRASQSVDDGDSYNNWYQKQGAAPRLIYAASNLES 60
QY 81 GIPDRFSGSGSGTDFTLTISRLEPADPAVYVYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 61 GIPDRFSGSGSGTDFTLTISRLEPADPAVYVYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IPPSPDSQLKSGTASVCLNNFYPREAKYQMKVDNALQSGNSQESVTEODSKDSTYSL 200
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 121 IPPSPDSQLKSGTASVCLNNFYPREAKYQMKVDNALQSGNSQESVTEODSKDSTYSL 180
QY 201 STLTLSKADYERKHVYACEVTHQGLSSPVTKSPFNRGEC 238
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 181 STLTLSKADYERKHVYACEVTHQGLSSPVTKSPFNRGEC 218

```

```

RESULT 2
US-09-301-593-36
; Sequence 36, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John B.
; APPLICANT: Garlin-Chessa, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Legier, Olivier
; APPLICANT: Saldanha, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: FAP-specific Antibody with Improved Productibility
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301,593A
; EARLIER FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: BP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 36
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-36

```

```

Query Match 83.2%; Score 1033; DB 4; Length 240;
Best Local Similarity 82.9%; Pred. No. 5.4e-82;
Matches 199; Conservative 19; Mismatches 20; Indels 2; Gaps 1;
QY 1 METDTLLWVLLWVPGSTGDIVLTGSPGTLSPGERATLSCRASQSVDDGD--SYNN 58
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1 METDTLLWVLLWVPGSTGDIVLTGSPGTLSPGERATLSCRASQSVDDGD--SYNN 60
QY 59 WYQKPGQAPRLIYAASNLESGLPDRFSGSGSGTDFTLTISRLEPADPAVYVYCOQSNED 118
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 61 WYQKPGQAPRLIYAASNLESGLPDRFSGSGSGTDFTLTISRLEPADPAVYVYCOQSNED 120
QY 119 PRTFGQGTLEIKRTVAAPSVFIRPPSDQLKSGTASVCLNNFYPREAKYQMKVDNAL 178
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 121 PRTFGQGTLEIKRTVAAPSVFIRPPSDQLKSGTASVCLNNFYPREAKYQMKVDNAL 180
QY 179 QSGNSQESVTEODSKDSTYSLSTLTLSKADYERKHVYACEVTHQGLSSPVTKSPFNRGEC 238
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 181 QSGNSQESVTEODSKDSTYSLSTLTLSKADYERKHVYACEVTHQGLSSPVTKSPFNRGEC 240

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```

RESULT 3
US-08-887-352B-13
; Sequence 13, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of

```

```

; TITLE OF INVENTION: Improving Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpacin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svooboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-887-352B-13

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Query Match 83.0%; Score 1031; DB 2; Length 218;
Best Local Similarity 89.4%; Pred. No. 7.2e-82;
Matches 195; Conservative 12; Mismatches 11; Indels 0; Gaps 0;
QY 21 DIVLTGPGTSLSPGERATLSCRASQSVDDGDSYNNWYQKQGAAPRLIYAASNLES 80
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1 DIQMTGSPSSLSASVGRVITTCRASQSVDDGDSYNNWYQKQGAAPRLIYAASNLES 60
QY 81 GIPDRFSGSGSGTDFTLTISRLEPADPAVYVYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 61 GIPDRFSGSGSGTDFTLTISRLEPADPAVYVYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IPPSPDSQLKSGTASVCLNNFYPREAKYQMKVDNALQSGNSQESVTEODSKDSTYSL 200
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 121 IPPSPDSQLKSGTASVCLNNFYPREAKYQMKVDNALQSGNSQESVTEODSKDSTYSL 180
QY 201 STLTLSKADYERKHVYACEVTHQGLSSPVTKSPFNRGEC 238
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 181 STLTLSKADYERKHVYACEVTHQGLSSPVTKSPFNRGEC 218

```

```

RESULT 4
US-08-466-151-9
; Sequence 9, Application US/08466151
; Patent No. 6037453
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query Match 81.2%; Score 1008; DB 4; Length 218;
Best Local Similarity 87.6%; Pred. No. 7e-80;
Matches 191; Conservative 14; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCRAQSVDYDGDSDYNNWYQOKGQAPRLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGDVITTCRAKSPVDGSDSYNNWYQOKGQAPRLIYAASNLES 60
QY 81 GIPDRFSGSGGSDPTLTISRLBPAADPAVYCCOQSNEDPRTFGQGTLEIRRTVAAPSVF 140
DB 61 GVPSRFSGSGSDPTLTISRLBPAADPAVYCCOQSHEDPYTGGQGTLEIRRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYREAKVQMKVDNALQSGNSQESVTEQDSKDTSTLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYREAKVQMKVDNALQSGNSQESVTEQDSKDTSTLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 218

RESULT 11
US-09-680-145-1

; Sequence 1, Application US/09680145
; Patent No. 6538124
; GENERAL INFORMATION:
; APPLICANT: Ebohe Ekinaduse Idueogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FILE REFERENCE: P126681
; CURRENT APPLICATION NUMBER: US/09/680,145
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/282,505
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124
US-09-680-145-1

Query Match 81.2%; Score 1008; DB 4; Length 218;
Best Local Similarity 87.6%; Pred. No. 7e-80;
Matches 191; Conservative 14; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCRAQSVDYDGDSDYNNWYQOKGQAPRLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGDVITTCRAKSPVDGSDSYNNWYQOKGQAPRLIYAASNLES 60
QY 81 GIPDRFSGSGSDPTLTISRLBPAADPAVYCCOQSNEDPRTFGQGTLEIRRTVAAPSVF 140
DB 61 GVPSRFSGSGSDPTLTISRLBPAADPAVYCCOQSHEDPYTGGQGTLEIRRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYREAKVQMKVDNALQSGNSQESVTEQDSKDTSTLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYREAKVQMKVDNALQSGNSQESVTEQDSKDTSTLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 218

RESULT 12
US-08-887-352B-15
; Sequence 15, Application US/08887352B

; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA

ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

US-08-887-352B-15

Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCRAQSVDYDGDSDYNNWYQOKGQAPRLIYAASNLES 80
DB 1 DIQLTQSPSSLSASVGDVITTCRAKSPVDGSDSYNNWYQOKGQAPRLIYAASNLES 60
QY 81 GIPDRFSGSGSDPTLTISRLBPAADPAVYCCOQSNEDPRTFGQGTLEIRRTVAAPSVF 140
DB 61 GVPSRFSGSGSDPTLTISRLBPAADPAVYCCOQSHEDPYTGGQGTLEIRRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYREAKVQMKVDNALQSGNSQESVTEQDSKDTSTLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYREAKVQMKVDNALQSGNSQESVTEQDSKDTSTLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTGSFNRGEC 218

RESULT 13
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKSVDYDGSYNNWYQKPGQAPELLIYAASVLE 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASKEPVGEGSYLNNWYQKPGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGGTDFTLTISRLRPADPAVYVYCCQSNEDPRTFGGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISRLQPEDPATYVYCCQSHEDPRTFGGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1GE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKSVDYDGSYNNWYQKPGQAPELLIYAASVLE 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASKEPVGEGSYLNNWYQKPGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGGTDFTLTISRLRPADPAVYVYCCQSNEDPRTFGGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSGTDFTLTISRLQPEDPATYVYCCQSHEDPRTFGGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRAKYQWKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1GE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 80.9%; Score 1005; DB 2; Length 218;
Best Local Similarity 87.2%; Pred. No. 1.3e-79;
Matches 190; Conservative 15; Mismatches 13; Indels 0; Gaps 0;


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Db 1 DIQITQSPSSLSASVGDPRVTITCRASKPVDGSDSTLNMWYQOKPQKAPKLLIYAASYLES 60
Qy 81 GIPDRFSGSGSGTDFTLTISRLEPADPAVYVYCCQSNEDPRTFGQGTRLLEIKRTVAAPSVF 140
Db 61 GVPDRFSGSGSGTDFTLTISRLEPADPAVYVYCCQSHEDPYTFGGTKVEIKRTVAAPSVF 120
Qy 141 IPPPSDEQLKSGTASVVCCLNNFTYPRKAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
Db 121 IPPPSDEQLKSGTASVVCCLNNFTYPRKAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
Qy 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 0.758344 Seconds
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2761.047 Million cell updates/sec

Title: US-09-499-662-1
Perfect score: 59
Sequence: 1 RTONTKCRCK 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	59	100.0	10	12	US-10-384-933-1
2	59	100.0	10	15	US-10-216-484-1
3	59	100.0	20	12	US-10-384-933-36
4	59	100.0	20	15	US-10-216-484-36
5	59	100.0	119	9	US-09-800-909-5
6	59	100.0	119	10	US-09-884-987-3
7	59	100.0	119	10	US-09-800-908-14
8	59	100.0	119	12	US-10-423-927-5
9	59	100.0	119	14	US-10-112-793-15
10	59	100.0	128	9	US-09-949-713-9
11	59	100.0	143	9	US-09-949-713-10
12	59	100.0	144	9	US-09-949-713-21
13	59	100.0	157	9	US-09-949-713-15
14	59	100.0	159	9	US-09-949-713-23
15	59	100.0	159	15	US-10-084-139-12

16	59	100.0	167	14	US-10-112-793-22	Sequence 22, Appl
17	59	100.0	219	12	US-09-405-032-128	Sequence 128, App
18	59	100.0	281	10	US-09-756-854-3	Sequence 3, Appl
19	59	100.0	281	14	US-10-041-574-3	Sequence 3, Appl
20	59	100.0	331	12	US-10-280-047-3	Sequence 3, Appl
21	59	100.0	331	9	US-09-826-212-7	Sequence 7, Appl
22	59	100.0	335	9	US-09-802-669-2	Sequence 2, Appl
23	59	100.0	335	9	US-09-333-966-6	Sequence 6, Appl
24	59	100.0	335	9	US-09-949-713-20	Sequence 20, Appl
25	59	100.0	335	9	US-09-874-138-4	Sequence 4, Appl
26	59	100.0	335	10	US-09-884-987-2	Sequence 2, Appl
27	59	100.0	335	10	US-09-935-727-9	Sequence 9, Appl
28	59	100.0	335	11	US-09-314-889-6	Sequence 6, Appl
29	59	100.0	335	12	US-10-189-189-6	Sequence 6, Appl
30	59	100.0	335	12	US-10-418-242-9	Sequence 9, Appl
31	59	100.0	335	13	US-10-005-842-4	Sequence 4, Appl
32	59	100.0	335	13	US-10-175-902-3	Sequence 3, Appl
33	59	100.0	335	15	US-10-186-643-7	Sequence 7, Appl
34	59	100.0	360	9	US-09-949-713-11	Sequence 11, Appl
35	59	100.0	376	9	US-09-949-713-22	Sequence 22, Appl
36	59	100.0	376	15	US-10-084-139-10	Sequence 10, Appl
37	59	100.0	669	15	US-10-226-296-3	Sequence 3, Appl
38	59	100.0	669	15	US-10-226-318-3	Sequence 3, Appl
39	59	100.0	669	15	US-09-925-299-960	Sequence 960, App
40	54	91.5	237	11	US-09-925-299-960	Sequence 960, App
41	51	86.4	204	10	US-09-948-018-18	Sequence 18, Appl
42	51	86.4	242	15	US-10-193-616-9	Sequence 9, Appl
43	51	86.4	327	9	US-09-802-669-66	Sequence 66, Appl
44	41	69.5	719	14	US-10-007-270-4	Sequence 4, Appl
45	41	69.5	771	14	US-10-007-270-4	Sequence 28, Appl

ALIGNMENTS

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RESULT 1
US-10-384-933-1
; Sequence 1, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hatayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-384-933-1
Query Match      100.0%; Score 59; DB 12; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 RTONTKCRCK 10
DB      1 RTONTKCRCK 10
RESULT 2
US-10-216-484-1
; Sequence 1, Application US/10216484
; Publication No. US20030103976A1
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GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haryama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 1
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapiens
US-10-216-484-1

Query Match 100.0%; Score 59; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
Db 1 RTONTKCRCK 10

RESULT 3
US-10-384-933-36
Sequence 36, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haryama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 36
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-10-384-933-36

Query Match 100.0%; Score 59; DB 12; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
Db 6 RTONTKCRCK 15

RESULT 4
US-10-216-484-36
Sequence 36, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haryama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 36
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-10-216-484-36

Query Match 100.0%; Score 59; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.0072;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RTONTKCRCK 10
Db 6 RTONTKCRCK 15

RESULT 5
US-09-800-909-5
Sequence 5, Application US/09800909
Patent No. US20010019833A1
GENERAL INFORMATION:
APPLICANT: WALLACH, David
APPLICANT: BIGDA, Jacek
APPLICANT: BELETSKY, Igor
APPLICANT: METT, Igor
APPLICANT: ENGELMANN, Hartmut
TITLE OF INVENTION: TNP INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800,909
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,862
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=12A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-800-909-5

Query Match 100.0%; Score 59; DB 9; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
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Db 75 RTONTKCRCK 84

RESULT 6
US-09-884-987-3
Sequence 3, Application US/09884987
Patent No. US20020102653A1
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu et al
TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE ANTIGEN
FILE REFERENCE: 0020-4877P
CURRENT APPLICATION NUMBER: US/09/884,987
NUMBER OF FILING DATE: 2001-06-21
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin version 3.0
SEQ ID NO 3
LENGTH: 119
TYPE: PRT
ORGANISM: Homo sapiens
US-09-884-987-3

Query Match 100.0%; Score 59; DB 10; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||
Db 75 RTONTKCRCK 84

RESULT 7
US-09-800-908-14
Sequence 14, Application US/09800908
Patent No. US20020111462A1
GENERAL INFORMATION:
APPLICANT: WALLACH, David
BIGDA, Jacek
BELETSKY, Igor
METT, Igor
TITLE OF INVENTION: TNF LIGANDS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800,908
FILING DATE: 08-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/477,347

FILING DATE: <Unknown>
APPLICATION NUMBER: IL 106271
FILING DATE: 08-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Townsend, G. Kevin
REGISTRATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: WALLACH=10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-800-908-14

Query Match 100.0%; Score 59; DB 10; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
|||
Db 75 RTONTKCRCK 84

RESULT 8
US-10-423-927-5
Sequence 5, Application US/10423927
Publication No. US20030228312A1
GENERAL INFORMATION:
APPLICANT: WALLACH, David
BIGDA, Jacek
BELETSKY, Igor
METT, Igor
ENGELMANN, Hartmut
TITLE OF INVENTION: TNF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/423,927
FILING DATE: 28-Apr-2003
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/476,862
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: IL 107267
FILING DATE: 12-OCT-1993
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH=12A

```

;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-423-927-5
Query Match 100.0%; Score 59; DB 12; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
Db 75 RTONTKCRCK 84

RESULT 9
US-10-112-793-15
; Sequence 15, Application US/10112793
; Publication No. US20020192729A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/112,793
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/828,683A
; FILING DATE: 31-Mar-1997
; APPLICATION NUMBER: 08/625328
; FILING DATE: 1-Apr-1996
; APPLICATION NUMBER: 08/710802
; FILING DATE: 23-Sep-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Marchang, Diane L.
; REGISTRATION NUMBER: 35,600
; REFERENCE/DOCKET NUMBER: P1007P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-5416
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-112-793-15
Query Match 100.0%; Score 59; DB 14; Length 119;
Best Local Similarity 100.0%; Pred. No. 0.035;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
Db 75 RTONTKCRCK 84
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Db 74 RTONTKCRCK 83
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RESULT 10
US-09-949-713-9
; Sequence 9, Application US/09949713
; Patent No. US20020044944A1
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. US20020044944A110
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/949,713
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US/09/180,100
; PRIOR FILING DATE: 1998-11-02
; PRIOR APPLICATION NUMBER: PCT/JP97/01502
; PRIOR FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-949-713-9
Query Match 100.0%; Score 59; DB 9; Length 128;
Best Local Similarity 100.0%; Pred. No. 0.037;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
Db 76 RTONTKCRCK 85

RESULT 11
US-09-949-713-10
; Sequence 10, Application US/09949713
; Patent No. US20020044944A1
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. US20020044944A110
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/949,713
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US/09/180,100
; PRIOR FILING DATE: 1998-11-02
; PRIOR APPLICATION NUMBER: PCT/JP97/01502
; PRIOR FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-949-713-10
Query Match 100.0%; Score 59; DB 9; Length 143;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RTONTKCRCK 10
Db 76 RTONTKCRCK 85

RESULT 12
US-09-949-713-21
; Sequence 21, Application US/09949713
; Patent No. US20020044944A1
; GENERAL INFORMATION:
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APPLICANT: NAKAMURA, No. US20020044944A1io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/949,713
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US/09/180,100
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/JP97/01502
PRIOR FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 144
TYPE: PRT
ORGANISM: Homo sapiens
US-09-949-713-21

Query Match 100.0%; Score 59; DB 9; Length 144;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
DB 92 RTONTKCRCK 101

RESULT 13
US-09-949-713-15
Sequence 15, Application US/09949713
Patent No. US20020044944A1
GENERAL INFORMATION:
APPLICANT: NAKAMURA, No. US20020044944A1io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/949,713
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US/09/180,100
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/JP97/01502
PRIOR FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 15
LENGTH: 157
TYPE: PRT
ORGANISM: Homo sapiens
US-09-949-713-15

Query Match 100.0%; Score 59; DB 9; Length 157;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
DB 105 RTONTKCRCK 114

RESULT 14
US-09-949-713-23
Sequence 23, Application US/09949713
Patent No. US20020044944A1
GENERAL INFORMATION:
APPLICANT: NAKAMURA, No. US20020044944A1io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/949,713
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US/09/180,100
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/JP97/01502

PRIOR FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 23
LENGTH: 159
TYPE: PRT
ORGANISM: Homo sapiens
US-09-949-713-23

Query Match 100.0%; Score 59; DB 9; Length 159;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
DB 92 RTONTKCRCK 101

RESULT 15
US-10-084-139-12
Sequence 12, Application US/10084139
Publication No. US20030109416A1
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: YATOMI, Takahiro
APPLICANT: SUDA, Takashi
TITLE OF INVENTION: PROPHYLACTIC/THERAPEUTIC AGENT
FILE REFERENCE: 1110-0307P
CURRENT APPLICATION NUMBER: US/10/084,139
CURRENT FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 12
LENGTH: 159
TYPE: PRT
ORGANISM: Homo sapiens
US-10-084-139-12

Query Match 100.0%; Score 59; DB 15; Length 159;
Best Local Similarity 100.0%; Pred. No. 0.045;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RTONTKCRCK 10
DB 92 RTONTKCRCK 101

Search completed: February 20, 2004, 14:25:29
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Mon Feb 23 07:54:41 2004

US-09-499-662-52.rapb

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 / Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/secUS-09-499-662-52
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Perfect score: 1246

Sequence: 1

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Gapop 10.0, Gapext 0.5

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Minimum DB seq length: 0

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Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications AA:*

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- 2: /cgm2_6/ptodata/1/pubppa/US06_PUBCOMB.pep.*
- 3: /cgm2_6/ptodata/1/pubppa/US05_PUBCOMB.pep.*
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- 6: /cgm2_6/ptodata/1/pubppa/US02_PUBCOMB.pep.*
- 7: /cgm2_6/ptodata/1/pubppa/US01_PUBCOMB.pep.*
- 8: /cgm2_6/ptodata/1/pubppa/US00_PUBCOMB.pep.*
- 9: /cgm2_6/ptodata/1/pubppa/US09_PUBCOMB.pep.*
- 10: /cgm2_6/ptodata/1/pubppa/US08_PUBCOMB.pep.*
- 11: /cgm2_6/ptodata/1/pubppa/US07_PUBCOMB.pep.*
- 12: /cgm2_6/ptodata/1/pubppa/US06_PUBCOMB.pep.*
- 13: /cgm2_6/ptodata/1/pubppa/US05_PUBCOMB.pep.*
- 14: /cgm2_6/ptodata/1/pubppa/US04_PUBCOMB.pep.*
- 15: /cgm2_6/ptodata/1/pubppa/US03_PUBCOMB.pep.*
- 16: /cgm2_6/ptodata/1/pubppa/US02_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	1246	100.0	238 12 US-10-384-933-52	Sequence 52, App1
2	1246	100.0	238 12 US-10-384-933-109	Sequence 109, App1
3	1239	99.4	238 12 US-10-384-933-54	Sequence 54, App1
4	1239	99.4	238 12 US-10-384-933-54	Sequence 54, App1
5	1238	99.4	238 12 US-10-384-933-54	Sequence 50, App1
6	1238	99.4	238 12 US-10-384-933-50	Sequence 50, App1
7	1202	96.5	238 12 US-10-384-933-107	Sequence 107, App1
8	1201	96.4	238 12 US-10-384-933-107	Sequence 107, App1
9	1201	96.4	238 12 US-10-384-933-107	Sequence 129, App1
10	1191	93.0	238 12 US-10-384-933-129	Sequence 129, App1
11	1189	93.0	238 12 US-10-384-933-129	Sequence 131, App1
12	1159	92.8	238 12 US-10-384-933-131	Sequence 131, App1
13	1156	92.8	238 12 US-10-384-933-131	Sequence 127, App1
14	1156	92.8	238 12 US-10-384-933-127	Sequence 127, App1
15	1155	92.7	238 12 US-10-384-933-127	Sequence 127, App1

16	1155	92.7	238 12 US-10-353-708-38	Sequence 127, App1
17	1129	90.6	238 12 US-10-353-708-38	Sequence 56, App1
18	1129	90.6	238 12 US-10-353-708-38	Sequence 56, App1
19	1129	90.6	238 12 US-10-353-708-38	Sequence 44, App1
20	1119	89.8	238 12 US-10-353-708-44	Sequence 44, App1
21	1119	89.8	238 12 US-10-353-708-44	Sequence 50, App1
22	1119	89.8	238 12 US-10-353-708-44	Sequence 50, App1
23	1119	89.8	238 12 US-10-353-708-44	Sequence 7, App1
24	1119	89.8	238 12 US-10-353-708-44	Sequence 2, App1
25	1032.5	82.9	238 12 US-09-917-410-2	Sequence 67, App1
26	1032	82.8	238 12 US-09-925-179-67	Sequence 9, App1
27	1031	82.7	238 12 US-10-449-566-98	Sequence 36, App1
28	1031	82.7	238 12 US-10-159-006-36	Sequence 39, App1
29	1028	82.5	238 12 US-10-353-708-39	Sequence 57, App1
30	1021	81.9	238 12 US-10-353-708-39	Sequence 39, App1
31	1021	81.9	238 12 US-10-171-452A-39	Sequence 57, App1
32	1021	81.9	238 12 US-10-171-452A-39	Sequence 119, App1
33	1020	81.9	238 12 US-10-449-566-119	Sequence 34, App1
34	1019	81.8	236 10 US-09-859-053-34	Sequence 9, App1
35	1019	81.7	238 9 US-09-802-077-9	Sequence 9, App1
36	1018	81.7	238 9 US-09-802-096-9	Sequence 13, App1
37	1018	81.7	238 9 US-09-920-171-13	Sequence 9, App1
38	1018	81.7	238 11 US-09-925-179-9	Sequence 13, App1
39	1018	81.7	238 12 US-10-113-946-13	Sequence 102, App1
40	1018	81.7	238 12 US-10-449-566-102	Sequence 15, App1
41	1018	81.7	234 15 US-10-153-382-15	Sequence 11, App1
42	1015.5	81.5	233 15 US-10-153-382-15	Sequence 45, App1
43	1011	81.1	238 12 US-10-353-708-45	Sequence 51, App1
44	1011	81.1	238 12 US-10-353-708-51	Sequence 51, App1
45	1011	81.1	238 12 US-10-353-708-51	Sequence 51, App1

ALIGNMENTS

RESULT 1
US-10-384-933-52
Sequence 52, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION: No. US20030170817A1ufusa
APPLICANT: Serizawa, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tanaka, Ikuru
APPLICANT: Takahashi, Toru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2003-02-05
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-04-01
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 52
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-52
Query Match 100.0%; Score 1246; DB 12; Length 238;
Best Local Similarity 100.0%; Pred. No. 7.4e-88; Indels 0; Gaps 0;
Matches 238; Conservative 0; Mismatches 0

QY 1 METDTLLMVLWLVPGSTGDIYVTSPTLSISPERATISCKASGVVDGSDYNNWY 60
DB 1 METDTLLMVLWLVPGSTGDIYVTSPTLSISPERATISCKASGVVDGSDYNNWY 60
QY 61 QCRGAPALLTYAASNLSGIPRFSGSGSDFTLTTHPYEEDATYYCOGSDNDR 120

Db 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHPVEEDATYYCOQSNEDPR 120
 QY 121 TFGGSTRLEIKRTVAAPSVIFPPSPDQLKSGTASVCLNNFPYPRAKYQWKVDNALQS 180
 Db 121 TFGGSTRLEIKRTVAAPSVIFPPSPDQLKSGTASVCLNNFPYPRAKYQWKVDNALQS 180
 QY 181 GNSQSVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
 Db 181 GNSQSVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 2

US-10-216-484-52
 ; Sequence 52, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takahashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CJP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 52
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-216-484-52

Query Match 100.0%; Score 1246; DB 15; Length 238;
 Best Local Similarity 100.0%; Pred. No. 7, 4e-88;
 Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLWVLLMWPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGDYNNMWY 60
 Db 1 METDTLLWVLLMWPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGDYNNMWY 60
 QY 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHPVEEDATYYCOQSNEDPR 120
 Db 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHPVEEDATYYCOQSNEDPR 120
 QY 121 TFGGSTRLEIKRTVAAPSVIFPPSPDQLKSGTASVCLNNFPYPRAKYQWKVDNALQS 180
 Db 121 TFGGSTRLEIKRTVAAPSVIFPPSPDQLKSGTASVCLNNFPYPRAKYQWKVDNALQS 180
 QY 181 GNSQSVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
 Db 181 GNSQSVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-109
 ; Sequence 109, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takahashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CJP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 109
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-384-933-109

Query Match 99.4%; Score 1239; DB 12; Length 238;
 Best Local Similarity 99.2%; Pred. No. 2, 5e-87;
 Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLWVLLMWPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGDYNNMWY 60
 Db 1 METDTLLWVLLMWPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGDYNNMWY 60
 QY 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHPVEEDATYYCOQSNEDPR 120
 Db 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHPVEEDATYYCOQSNEDPR 120
 QY 121 TFGGSTRLEIKRTVAAPSVIFPPSPDQLKSGTASVCLNNFPYPRAKYQWKVDNALQS 180
 Db 121 TFGGSTRLEIKRTVAAPSVIFPPSPDQLKSGTASVCLNNFPYPRAKYQWKVDNALQS 180
 QY 181 GNSQSVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
 Db 181 GNSQSVTEQDSKDSYSLSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-109
 ; Sequence 109, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takahashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CJP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 109
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-216-484-109

Query Match 99.4%; Score 1239; DB 15; Length 238;
 Best Local Similarity 99.2%; Pred. No. 2, 5e-87;
 Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTLLWVLLMWPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGDYNNMWY 60
 Db 1 METDTLLWVLLMWPSTGSDIVLTQSPGTLSPGERATLSCAASQSVYDGDYNNMWY 60
 QY 61 QOKRGAAPRLIYAASNLBSGIDPRFSGSGSDTFTLTHPVEEDATYYCOQSNEDPR 120

Db 61 QOKPGAPPLIYAASNLSEGIPIPRFSGSGSDTFTLTHPYEEEDAAATYYCOQSNEDPR 120
 QY 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVVCILNNFYPREAKVQKVNALQS 180
 Db 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVVCILNNFYPREAKVQKVNALQS 180
 QY 181 GNSQESVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSFNRGEC 238
 Db 181 GNSQESVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSFNRGEC 238

RESULT 5
 US-10-384-933-54
 ; Sequence 54, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufuea
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384, 933
 ; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499, 662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 54
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-384-933-54

Query Match 99.4%; Score 1238; DB 12; Length 238;
 Best Local Similarity 99.2%; Pred. No. 3e-87;
 Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
 Db 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
 QY 61 QOKPGAPPLIYAASNLSEGIPIPRFSGSGSDTFTLTHPYEEEDAAATYYCOQSNEDPR 120
 Db 61 QOKPGAPPLIYAASNLSEGIPIPRFSGSGSDTFTLTHPYEEEDAAATYYCOQSNEDPR 120
 QY 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVVCILNNFYPREAKVQKVNALQS 180
 Db 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVVCILNNFYPREAKVQKVNALQS 180
 QY 181 GNSQESVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSFNRGEC 238
 Db 181 GNSQESVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSFNRGEC 238

RESULT 6
 US-10-216-484-54
 ; Sequence 54, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufuea
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG

;; CURRENT APPLICATION NUMBER: US/10/216, 484
 ;; CURRENT FILING DATE: 2002-08-09
 ;; PRIOR APPLICATION NUMBER: US/09/499, 662
 ;; PRIOR FILING DATE: 2000-02-09
 ;; PRIOR APPLICATION NUMBER: US 09/053, 583
 ;; PRIOR FILING DATE: 1998-04-01
 ;; NUMBER OF SEQ ID NOS: 165
 ;; SEQ ID NO 54
 ;; LENGTH: 238
 ;; TYPE: PRT
 ;; ORGANISM: Artificial Sequence
 ;; FEATURE:
 ;; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ;; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-216-484-54

Query Match 99.4%; Score 1238; DB 15; Length 238;
 Best Local Similarity 99.2%; Pred. No. 3e-87;
 Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
 Db 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
 QY 61 QOKPGAPPLIYAASNLSEGIPIPRFSGSGSDTFTLTHPYEEEDAAATYYCOQSNEDPR 120
 Db 61 QOKPGAPPLIYAASNLSEGIPIPRFSGSGSDTFTLTHPYEEEDAAATYYCOQSNEDPR 120
 QY 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVVCILNNFYPREAKVQKVNALQS 180
 Db 121 TFGQGRLEIKRTVAAPSVFIIPPSPDEOLKSGTASVVCILNNFYPREAKVQKVNALQS 180
 QY 181 GNSQESVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSFNRGEC 238
 Db 181 GNSQESVTEODSDSTYSLSSTLTLSKADYERKHYACVTHQGLSSPYTKSFNRGEC 238

RESULT 7
 US-10-384-933-50
 ; Sequence 50, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufuea
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384, 933
 ; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499, 662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 50
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-384-933-50

Query Match 96.5%; Score 1202; DB 12; Length 238;
 Best Local Similarity 97.1%; Pred. No. 1.7e-84;
 Matches 231; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60
 Db 1 METDTLLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQGVVDYDGSYNNWY 60

Qy 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGGTDFTLTTHPVEEBDAATYYCOQSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQKSGTAAVCLNNFYPREAKVQWKVDNALQ 180
Db 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQKSGTAAVCLNNFYPREAKVQWKVDNALQ 180
Qy 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238

RESULT 8
US-10-216-484-50

Sequence 50, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 96.5%; Score 1202; DB 15; Length 238;
Best Local Similarity 97.1%; Pred. No. 1.7e-84;
Matches 231; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDGSDSYNNWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDGSDSYNNWY 60
Qy 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGGTDFTLTTHPVEEBDAATYYCOQSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQKSGTAAVCLNNFYPREAKVQWKVDNALQ 180
Db 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQKSGTAAVCLNNFYPREAKVQWKVDNALQ 180
Qy 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238

RESULT 9

US-10-384-933-107
Sequence 107, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 96.4%; Score 1201; DB 12; Length 238;
Best Local Similarity 96.6%; Pred. No. 2.1e-84;
Matches 230; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDGSDSYNNWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDGSDSYNNWY 60
Qy 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGGTDFTLTTHPVEEBDAATYYCOQSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIPRFSGSGGTDFTLTISRLEPADFAVYYCOQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQKSGTAAVCLNNFYPREAKVQWKVDNALQ 180
Db 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQKSGTAAVCLNNFYPREAKVQWKVDNALQ 180
Qy 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238

RESULT 10

US-10-216-484-107
Sequence 107, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 96.4%; Score 1201; DB 15; Length 238;
Best Local Similarity 96.6%; Pred. No. 2.1e-84;
Matches 230; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDGSDSYNNWY 60
Db 1 METDTILMWLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDGSDSYNNWY 60

QY 61 QQRGQAPRLIYAASNLSEGIPIPRFSGSGSDTFTLTIHVEBEDATYYCOOSNEDPR 120
 DB 61 QQRGQAPRLIYAASNLSEGIPIPRFSGSGSDTFTLTIHVEBEDATYYCOOSNEDPR 120
 QY 121 TFGQGTLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPRAKQVMKVDNALQS 180
 DB 121 TFGQGTLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPRAKQVMKVDNALQS 180
 QY 181 GNSQSVTEBDSKDSSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238
 DB 181 GNSQSVTEBDSKDSSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238

RESULT 11

US-10-384-933-129
 ; Sequence 129, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takahashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384,933
 ; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 129
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-384-933-129

Query Match 93.0%; Score 1159; DB 12; Length 238;
 Best Local Similarity 92.0%; Pred. No. 3.4e-81;
 Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCAKASQSVYDGDSDYNNWY 60
 DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCAKASQSVYDGDSDYNNWY 60
 QY 61 QQRGQAPRLIYAASNLSEGIPIPRFSGSGSDTFTLTIHVEBEDATYYCOOSNEDPR 120
 DB 61 QQRGQAPRLIYAASNLSEGIPIPRFSGSGSDTFTLTIHVEBEDATYYCOOSNEDPR 120
 QY 121 TFGQGTLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPRAKQVMKVDNALQS 180
 DB 121 TFGQGTLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPRAKQVMKVDNALQS 180
 QY 181 GNSQSVTEBDSKDSSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238
 DB 181 GNSQSVTEBDSKDSSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238

RESULT 12

US-10-216-484-129
 ; Sequence 129, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takahashi, Ikuko
 ; APPLICANT: Takahashi, Tohru

; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 129
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-216-484-129

Query Match 93.0%; Score 1159; DB 15; Length 238;
 Best Local Similarity 92.0%; Pred. No. 3.4e-81;
 Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCAKASQSVYDGDSDYNNWY 60
 DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCAKASQSVYDGDSDYNNWY 60
 QY 61 QQRGQAPRLIYAASNLSEGIPIPRFSGSGSDTFTLTIHVEBEDATYYCOOSNEDPR 120
 DB 61 QQRGQAPRLIYAASNLSEGIPIPRFSGSGSDTFTLTIHVEBEDATYYCOOSNEDPR 120
 QY 121 TFGQGTLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPRAKQVMKVDNALQS 180
 DB 121 TFGQGTLEIKRTVAASVFIPEPSDEQLKSGTASVCLNNFYPRAKQVMKVDNALQS 180
 QY 181 GNSQSVTEBDSKDSSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238
 DB 181 GNSQSVTEBDSKDSSTYSLSSTLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGRC 238

RESULT 13

US-10-384-933-131
 ; Sequence 131, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takahashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384,933
 ; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 131
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-384-933-131

Query Match 92.8%; Score 1156; DB 12; Length 238;
 Best Local Similarity 92.0%; Pred. No. 5.8e-81;
 Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;
 QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLSPGERATLSCAKASQSVYDGDSDYNNWY 60

```

Db      1 METDTLLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSDYDGDSTNNMY 60
Qy      61 QOKPGQAPRLIYYAASNLBSGIPDRFSGSGGTDFLTTHPVEEEDAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKPGKAPRLIYYAASNLBSGIPSRFSGSGGTDFLTITISLQPEDPATYYCQQSNEDPR 120
Qy      121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLINFFYPREAKYQMKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLINFFYPREAKYQMKVDNALQ 180
Qy      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYVACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYVACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 14

```

US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Tohru
; APPLICANT: Tamaki, Ikuko
; FILE REFERENCE: 980126CIP/HG
; TITLE OF INVENTION: Anti-Fas Antibodies
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

```

```

Query Match      92.8%; Score 1156; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 5.8e-81;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1 METDTLLWVLLWVPGSTGDIYLTQSPGTLSPGERATLSCKASQSDYDGDSTNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTLLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSDYDGDSTNNMY 60
Qy      61 QOKPGQAPRLIYYAASNLBSGIPDRFSGSGGTDFLTTHPVEEEDAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKPGKAPRLIYYAASNLBSGIPSRFSGSGGTDFLTITISLQPEDPATYYCQQSNEDPR 120
Qy      121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLINFFYPREAKYQMKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLINFFYPREAKYQMKVDNALQ 180
Qy      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYVACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYVACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 15

```

US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Tohru
; APPLICANT: Tamaki, Ikuko

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

```

```

Query Match      92.7%; Score 1155; DB 12; Length 238;
Best Local Similarity 91.6%; Pred. No. 6.9e-81;
Matches 218; Conservative 11; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1 METDTLLWVLLWVPGSTGDIYLTQSPGTLSPGERATLSCKASQSDYDGDSTNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTLLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSDYDGDSTNNMY 60
Qy      61 QOKPGQAPRLIYYAASNLBSGIPDRFSGSGGTDFLTTHPVEEEDAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKPGKAPRLIYYAASNLBSGIPSRFSGSGGTDFLTITISLQPEDPATYYCQQSNEDPR 120
Qy      121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLINFFYPREAKYQMKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLINFFYPREAKYQMKVDNALQ 180
Qy      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYVACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYVACEVTHQGLSSPVTKSFNRGEC 238

```

```

Search completed: February 20, 2004, 14:25:30
Job time : 19.0486 secs

```

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignment)
1275.794 Million cell updates/sec

Title: US-09-499-662-54

Perfect score: 1249

Sequence: 1 METDTLLMVLWLVPGSTG.....EYTHQGLSPVTKSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/1aa/5A COMB.pep:*
- 2: /cgn2_6/ptodata/1/1aa/5B COMB.pep:*
- 3: /cgn2_6/ptodata/1/1aa/6A COMB.pep:*
- 4: /cgn2_6/ptodata/1/1aa/6B COMB.pep:*
- 5: /cgn2_6/ptodata/1/1aa/PCTUS COMB.pep:*
- 6: /cgn2_6/ptodata/1/1aa/backfillseq1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1039	83.2	240	4	US-09-301-593-36
2	1030	82.5	218	5	PCT-US96-13152-2
3	1016	81.3	218	2	US-08-887-352B-13
4	1016	81.3	218	3	US-08-466-151-9
5	1016	81.3	218	3	US-09-109-207C-13
6	1016	81.3	218	3	US-09-296-005-13
7	1016	81.3	218	4	US-08-466-163B-9
8	993	79.5	218	4	US-09-282-505-1
9	993	79.5	218	3	US-09-054-255-1
10	993	79.5	218	4	US-09-282-846-1
11	993	79.5	218	4	US-09-680-145-1
12	990	79.3	218	2	US-08-887-352B-17
13	990	79.3	218	2	US-08-887-352B-19
14	990	79.3	218	2	US-08-887-352B-24
15	990	79.3	218	2	US-08-887-352B-25
16	990	79.3	218	2	US-09-109-207C-17
17	990	79.3	218	3	US-09-109-207C-19
18	990	79.3	218	3	US-09-109-207C-24
19	990	79.3	218	3	US-09-109-207C-25
20	990	79.3	218	3	US-09-296-005-15
21	990	79.3	218	3	US-09-296-005-17
22	990	79.3	218	3	US-09-296-005-19
23	990	79.3	218	3	US-09-296-005-24
24	980.5	78.5	241	2	US-07-916-098A-56
25	970.5	77.7	239	3	US-08-487-550-6
26	970.5	76.9	239	3	US-09-526-098-6
27	961	76.9	234	4	US-09-740-002-24

28	954	76.4	234	3	US-09-049-672A-6	Sequence 6, Appl
29	939	75.2	240	4	US-09-301-593-28	Sequence 28, Appl
30	938.5	75.1	233	2	US-07-934-373C-25	Sequence 25, Appl
31	938.5	75.1	233	3	US-08-437-642B-25	Sequence 25, Appl
32	938.5	75.1	233	4	US-08-146-206C-25	Sequence 25, Appl
33	938.5	75.1	233	5	PCT-US93-07832-25	Sequence 25, Appl
34	938.5	75.1	235	3	US-09-171-945-97	Sequence 37, Appl
35	935	74.9	214	2	US-07-934-373C-39	Sequence 39, Appl
36	935	74.9	214	3	US-08-437-642B-39	Sequence 39, Appl
37	935	74.9	214	3	PCT-US93-07832-39	Sequence 39, Appl
38	931	74.5	226	1	US-08-157-101A-5	Sequence 9, Appl
39	930.5	74.5	235	1	US-09-171-945-99	Sequence 9, Appl
40	930	74.5	214	2	US-07-934-373C-40	Sequence 40, Appl
41	930	74.5	214	2	US-08-788-800-11	Sequence 40, Appl
42	930	74.5	214	3	US-08-437-642B-40	Sequence 2, Appl
43	930	74.5	214	3	US-09-097-309-2	Sequence 2, Appl
44	930	74.5	214	3	US-09-097-171A-2	Sequence 2, Appl
45	930	74.5	214	4	US-09-460-587-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-301-593-36
Sequence 36, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Legier, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
EARLIER FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 36
LENGTH: 240
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-36

Query Match 83.2%; Score 1039; DB 4; Length 240;
Best Local Similarity 82.9%; Pred. No. 6.3e-77;
Matches 199; Conservative 19; Mismatches 20; Gaps 1;

1 METDTLLMVLWLVPGSTGDIYVLTOSPTLSIPGRATLSCKASQVDYDGD--SYNN 58
1 METDTLLMVLWLVWPPSGDVTWTSQDSIAVLSGRATINKSOSLISYNQNYLA 60
59 WYQQRGGPPLKLLFYAASNLSSGIPDRFSGSGSTDTFTIHPVEEDATYYCOQSNED 118
61 WYQQRGGPPLKLLFYAASNLSSGIPDRFSGSGSTDTFTIHPVEEDATYYCOQSNED 120
119 PRTFGQTRLEIKRTVAAPSVFIPPPSDQKSGTAAVCLNNFYREAKVQKVDNAL 178
121 PLTFQGTVEIKRTVAAPSVFIPPSDQKSGTAAVCLNNFYREAKVQKVDNAL 180
179 QSGNSGSEVTEBDOSKSTSTLSSTLTLSKADYERKRYVACEVTHQGLSPVTKSFNRGEC 238
181 QSGNSGSEVTEBDOSKSTSTLSSTLTLSKADYERKRYVACEVTHQGLSPVTKSFNRGEC 240

RESULT 2
PCT-US96-13152-2

```
/ Sequence 2, Application PC/TUS9613152
/ GENERAL INFORMATION:
/ APPLICANT: Martin, Ulrich, et al.
/ TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
/ NUMBER OF SEQUENCES: 4
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Felfe & Lynch
/ ADDRESSER: Actn: Norman D. Hanson
/ STREET: 805 Third Avenue
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10022
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Computer Disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: ASCII
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US96/13152
/ FILING DATE:
/ CLASSIFICATION:
/ APPLICATION NUMBER: 08/578,953
/ FILING DATE: 27-Dec-95
/ APPLICATION NUMBER: EP 95 112 895.8
/ FILING DATE: 17-Aug-95
/ APPLICATION NUMBER: EP 95 114 969.9
/ FILING DATE: 19-Sep-95
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Norman D. Hanson
/ REGISTRATION NUMBER: 30,946
/ REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PFF/NDH
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 688-9200
/ TELEFAX: (212) 838-3884
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 218
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ PCT-US96-13152-2

Query Match 82.5%; Score 1030; DB 5; Length 218;
Best Local Similarity 89.9%; Pred. No. 3e-76;
Matches 196; Conservative 10; Mismatches 12; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCASQSVYDGDSTNNMWYQKRGQPKLLIYAASNLES 80
DB 1 DIQWTGSPSSLASVSGRVITTCASQSVYDGDSTNNMWYQKRGKAPKLLIYAASNLES 60
QY 81 GIPRFGSGSGDPTLTITIHVEBEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GIPRFGSGSGDPTLTITISLQPEDPATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 3
US-08-887-352B-13
/ Sequence 13, Application US/0887352B
/ GENERAL INFORMATION:
/ APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
/ TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
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/ TITLE OF INVENTION: Improving Polypeptides
/ NUMBER OF SEQUENCES: 26
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genentech, Inc.
/ STREET: 1 DNA Way
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Winpactin (Genentech)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,352B
/ FILING DATE: 03-Jul-1997
/ CLASSIFICATION: 530
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Svoboda, Craig G.
/ REGISTRATION NUMBER: 39,044
/ REFERENCE/DOCKET NUMBER: P1123
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 650/952-1489
/ TELEFAX: 650/952-9881
/ INFORMATION FOR SEQ ID NO: 13:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 218 amino acids
/ TYPE: Amino Acid
/ TOPOLOGY: linear
/ US-08-887-352B-13

Query Match 81.3%; Score 1016; DB 2; Length 218;
Best Local Similarity 88.5%; Pred. No. 4.1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCASQSVYDGDSTNNMWYQKRGQPKLLIYAASNLES 80
DB 1 DIQWTGSPSSLASVSGRVITTCASQSVYDGDSTNNMWYQKRGKAPKLLIYAASNLES 60
QY 81 GIPRFGSGSGDPTLTITIHVEBEDATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GIPRFGSGSGDPTLTITISLQPEDPATYYCOQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFPYPRKAVQWKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 4
US-08-466-151-9
/ Sequence 9, Application US/08466151
/ Patent No. 6037453
/ GENERAL INFORMATION:
/ APPLICANT: Jardieu, Paula M.
/ APPLICANT: Presta, Leonard G.
/ TITLE OF INVENTION: Immunoglobulin Variants
/ NUMBER OF SEQUENCES: 65
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genentech, Inc.
/ STREET: 1 DNA Way
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
```



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SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA: 08/466163
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-9

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Query Match      81.3%; Score 1016; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPGSRATLSCKASQSYVDYDGSYNNWYQKPGAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRASQSYVDYDGSYNNWYQKPGAPKLLIYAASNLES 60
QY 81 GIPDRFSGSGSDPTFTLTHPVEEEDATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSDPTFTLTHPVEEEDATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

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RESULT 5
US-09-109-207C-13
Sequence 13, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial

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LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

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Query Match      81.3%; Score 1016; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPGSRATLSCKASQSYVDYDGSYNNWYQKPGAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRASQSYVDYDGSYNNWYQKPGAPKLLIYAASNLES 60
QY 81 GIPDRFSGSGSDPTFTLTHPVEEEDATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSDPTFTLTHPVEEEDATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

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RESULT 6
US-09-296-005-13
Sequence 13, Application US/09296005
Patent No. 6290957
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123C1R
CURRENT APPLICATION NUMBER: US/09/296,005
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: US 08/887,352
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-296-005-13

```

```

Query Match      81.3%; Score 1016; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTQSPGTLSPGSRATLSCKASQSYVDYDGSYNNWYQKPGAPKLLIYAASNLES 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRASQSYVDYDGSYNNWYQKPGAPKLLIYAASNLES 60
QY 81 GIPDRFSGSGSDPTFTLTHPVEEEDATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSDPTFTLTHPVEEEDATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

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RESULT 7
US-08-466-163B-9
Sequence 9, Application US/08466163B
Patent No. 6329509

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GENERAL INFORMATION:
APPLICANT: Jarcieu, Paula M.
TITLE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2C1D1
CURRENT APPLICATION NUMBER: US/08/466,163B
CURRENT FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR FILING DATE: 1991-08-14
NUMBER OF SEQ ID NOS: 64
SEQ ID NO 9
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: humanized mael1, version 1, light chain
US-08-466-163B-9

Query Match 81.3%; Score 1016; DB 4; Length 218;
Best Local Similarity 88.5%; Pred. No. 4,1e-75;
Matches 193; Conservative 12; Mismatches 13; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCAKASQVDYDGSYNNWYQKRGQPKLLIYAASVLE 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRAKPVNDBSDSYNNWYQKRGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEEDATATYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVSRRFSGSGSGTDFTLTISLQPEDFATYCCQSHSDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVCLINNFYPRKAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLINNFYPRKAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 8
US-09-282-505-1
Sequence 1, Application US/09282505A
Patent No. 6194551
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R1
CURRENT APPLICATION NUMBER: US/09/282,505A
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Artificial Sequence
LOCATION: 1-218
OTHER INFORMATION: Sequence is completely synthesized
Patent No. 6194551
US-09-282-505-1

Query Match 79.5%; Score 993; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 3e-73;
Matches 189; Conservative 14; Mismatches 15; Indels 0; Gaps 0;
QY 21 DIVLTGPGTSLSPGERATLSCAKASQVDYDGSYNNWYQKRGQPKLLIYAASVLE 80

DB 1 DIQLTQSPSSLASVGDRTVITTCRAKPVNDBSDSYNNWYQKRGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEEDATATYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVSRRFSGSGSGTDFTLTISLQPEDFATYCCQSHSDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVCLINNFYPRKAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLINNFYPRKAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 9
US-09-054-255-1
Sequence 1, Application US/09054255
Patent No. 6242195
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266
CURRENT APPLICATION NUMBER: US/09/054,255
CURRENT FILING DATE: 1998-04-02
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: E27 anti-19E antibody light chain
US-09-054-255-1

Query Match 79.5%; Score 993; DB 3; Length 218;
Best Local Similarity 86.7%; Pred. No. 3e-73;
Matches 189; Conservative 14; Mismatches 15; Indels 0; Gaps 0;

QY 21 DIVLTGPGTSLSPGERATLSCAKASQVDYDGSYNNWYQKRGQPKLLIYAASVLE 80
DB 1 DIQLTQSPSSLASVGDRTVITTCRAKPVNDBSDSYNNWYQKRGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGSGTDFTLTTHPVEEDATATYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
DB 61 GVSRRFSGSGSGTDFTLTISLQPEDFATYCCQSHSDPTFGGTVEIKRTVAAPSVF 120
QY 141 IPPPSDEQLKSGTASVCLINNFYPRKAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 200
DB 121 IPPPSDEQLKSGTASVCLINNFYPRKAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYERKHYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 10
US-09-282-846-1
Sequence 1, Application US/09282846
Patent No. 6528624
GENERAL INFORMATION:
APPLICANT: Eschoe Ekinaduese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P1266R2
CURRENT APPLICATION NUMBER: US/09/282,846
CURRENT FILING DATE: 1999-03-31
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Artificial Sequence
LOCATION: 1-218

Mon Feb 23 07:54:42 2004

us-09-499-662-54.pat

OTHER INFORMATION: Sequence is completely synthesized
Patent No. 6528624
US-09-282-846-1

Query Match 79.5%; Score 993; DB 4; Length 218;
Best Local Similarity 86.7%; Pred. No. 3e-73; Indels 0; Gaps 0;
Matches 189; Conservative 14; Mismatches 15;

21 DIVLTGSGTSLSPGERATLSCKASQSVYDGSYNNWYQKPGPKLLIYAASNLIS 80
1 DIQLTQSPSSISASVGDRTVITCRASKPVDGSDSYNNWYQKPGKAPKLLIYAASVLF 60
81 GIPDRFSGSGGTDFTLTIHPVEBEDAATYYCOQSNEDPRTFGGTLEIKRTVAAPSVF 140
61 GVPDRFSGSGGTDFTLTISSLOPEDFATYYCOQSHEDPRTFGGTVEIKRTVAAPSVF 120
141 IFFPSDBOLKSGTASVVCILNNFYPREAKVOMKVDNALOSGNSQESVTEODSKDSTYSLIS 200
121 IFFPSDBOLKSGTASVVCILNNFYPREAKVOMKVDNALOSGNSQESVTEODSKDSTYSLIS 180
201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 11
US-09-680-145-1
Sequence 1, Application US/09680145
Patent No. 6538124
GENERAL INFORMATION:
APPLICANT: Roche Ekinadese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants
FILE REFERENCE: P126681
CURRENT FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 09/282,505
PRIOR FILING DATE: 1999-03-13
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Artificial Sequence
LOCATION: 1-218
OTHER INFORMATION: Sequence is completely synthesized
Patent No. 6538124
US-09-680-145-1

Query Match 79.5%; Score 993; DB 4; Length 218;
Best Local Similarity 86.7%; Pred. No. 3e-73; Indels 0; Gaps 0;
Matches 189; Conservative 14; Mismatches 15;

21 DIVLTGSGTSLSPGERATLSCKASQSVYDGSYNNWYQKPGPKLLIYAASNLIS 80
1 DIQLTQSPSSISASVGDRTVITCRASKPVDGSDSYNNWYQKPGKAPKLLIYAASVLF 60
81 GIPDRFSGSGGTDFTLTIHPVEBEDAATYYCOQSNEDPRTFGGTLEIKRTVAAPSVF 140
61 GVPDRFSGSGGTDFTLTISSLOPEDFATYYCOQSHEDPRTFGGTVEIKRTVAAPSVF 120
141 IFFPSDBOLKSGTASVVCILNNFYPREAKVOMKVDNALOSGNSQESVTEODSKDSTYSLIS 200
121 IFFPSDBOLKSGTASVVCILNNFYPREAKVOMKVDNALOSGNSQESVTEODSKDSTYSLIS 180
201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 12
US-08-887-352B-15
Sequence 15, Application US/08887352B

Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: linear

US-08-887-352B-15

Query Match 79.3%; Score 990; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 5.2e-73; Indels 0; Gaps 0;
Matches 188; Conservative 15; Mismatches 15;

21 DIVLTGSGTSLSPGERATLSCKASQSVYDGSYNNWYQKPGPKLLIYAASNLIS 80
1 DIQLTQSPSSISASVGDRTVITCRASKPVDGSDSYNNWYQKPGKAPKLLIYAASVLF 60
81 GIPDRFSGSGGTDFTLTIHPVEBEDAATYYCOQSNEDPRTFGGTLEIKRTVAAPSVF 140
61 GVPDRFSGSGGTDFTLTISSLOPEDFATYYCOQSHEDPRTFGGTVEIKRTVAAPSVF 120
141 IFFPSDBOLKSGTASVVCILNNFYPREAKVOMKVDNALOSGNSQESVTEODSKDSTYSLIS 200
121 IFFPSDBOLKSGTASVVCILNNFYPREAKVOMKVDNALOSGNSQESVTEODSKDSTYSLIS 180
201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 13
US-08-887-352B-17
Sequence 17, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 79.3%; Score 990; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 5.2e-73;
Matches 188; Conservative 15; Mismatches 15; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKASQVDYDSDYNNWYQKRGPPKLLIYAASVLE 80
DB 1 DIQLTGSPSSLSASVGRVITTCRAKRPVDEGDSYNNWYQKRGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGGTDFTLTIHPVEEDDAATYYCCQSNEDPRTFGQGTLEIKRTVAAPSVP 140
DB 61 GVPSRFSGSGSGTDFTLTISLQPEDPATYYCCQSHEDPYTFGGGTVEIKRTVAAPSVP 120
QY 141 IFPPSDQLKSGTASVVCILNFPYPRKQVQKVDNALQSGNSQESVTEQDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCILNFPYPRKQVQKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPTKSPFRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPTKSPFRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 79.3%; Score 990; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 5.2e-73;
Matches 188; Conservative 15; Mismatches 15; Indels 0; Gaps 0;

QY 21 DIVLTGSPGTLSPGERATLSCAKASQVDYDSDYNNWYQKRGPPKLLIYAASVLE 80
DB 1 DIQLTGSPSSLSASVGRVITTCRAKRPVDEGDSYNNWYQKRGKAPKLLIYAASVLE 60
QY 81 GIDPRFSGSGGTDFTLTIHPVEEDDAATYYCCQSNEDPRTFGQGTLEIKRTVAAPSVP 140
DB 61 GVPSRFSGSGGTDFTLTISLQPEDPATYYCCQSHEDPYTFGGGTVEIKRTVAAPSVP 120
QY 141 IFPPSDQLKSGTASVVCILNFPYPRKQVQKVDNALQSGNSQESVTEQDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVVCILNFPYPRKQVQKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPTKSPFRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPTKSPFRGEC 218

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 79.3%; Score 990; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 5.2e-73;
Matches 188; Conservative 15; Mismatches 15; Indels 0; Gaps 0;

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Qy 21 DIVLTOSPGTSLSPGERATLSCASOSVDYDSDSYNNWYQOKPGOPKLLIYAASNLIS 80
Db 1 DIQITQSPSLSASVGRVITITCRASKPVDGSDSTIANWYQKPKAKPILLIYAASLIS 60
Qy 81 GIPDRFSGSGSGTDFTLTIHPVEEDDAATYYCOQSNEDPRTFGQGRLEIKRTVAAPSVF 140
Db 61 GVPDRFSGSGSGTDFTLTISSSLQPEDPATYTCQOSHEDPYTFGQGTKEIKRTVAAPSVF 120
Qy 141 IPPPSDEQLASGTASVCLANNFYPREAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
Db 121 IPPPSDEQLASGTASVCLANNFYPREAKYQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
Qy 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218

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Search completed: February 20, 2004, 13:35:03
 Job time : 8.89311 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: February 20, 2004, 13:31:02 : Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-54

Perfect score: 1249
Sequence: 1 MDTDTLLWVLLWVPGSGNG.....EYTHQGLSSPVTKSPFRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/prodata/1/pubppaa/US07_PUBCOMB.pep:*
2: /cgn2_6/prodata/1/pubppaa/PCP_NEW_PUB.pep:*
3: /cgn2_6/prodata/1/pubppaa/US06_NEW_PUB.pep:*
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7: /cgn2_6/prodata/1/pubppaa/US08_NEW_PUB.pep:*
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9: /cgn2_6/prodata/1/pubppaa/US09_PUBCOMB.pep:*
10: /cgn2_6/prodata/1/pubppaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/prodata/1/pubppaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/prodata/1/pubppaa/US09_NEW_PUB.pep:*
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14: /cgn2_6/prodata/1/pubppaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/prodata/1/pubppaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/prodata/1/pubppaa/US10_NEW_PUB.pep:*
17: /cgn2_6/prodata/1/pubppaa/US60_NEW_PUB.pep:*
18: /cgn2_6/prodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1249	100.0	238	12	US-10-384-933-54 Sequence 54, App1
2	1249	100.0	238	15	US-10-216-484-54 Sequence 54, App1
3	1238	99.1	238	12	US-10-384-933-52 Sequence 52, App1
4	1238	99.1	238	15	US-10-216-484-52 Sequence 52, App1
5	1231	98.6	238	12	US-10-384-933-109 Sequence 109, App
6	1231	98.6	238	15	US-10-216-484-109 Sequence 109, App
7	1194	95.6	238	12	US-10-384-933-131 Sequence 50, App1
8	1194	95.6	238	15	US-10-216-484-50 Sequence 50, App1
9	1193	95.5	238	12	US-10-384-933-107 Sequence 107, App
10	1193	95.5	238	15	US-10-216-484-107 Sequence 107, App
11	1157	92.6	238	12	US-10-384-933-129 Sequence 129, App
12	1157	92.6	238	15	US-10-216-484-129 Sequence 129, App
13	1154	92.4	238	12	US-10-384-933-131 Sequence 131, App
14	1154	92.4	238	15	US-10-216-484-131 Sequence 131, App
15	1153	92.3	238	12	US-10-384-933-127 Sequence 127, App

16	1153	92.3	238	15	US-10-216-484-127	Sequence 127, App
17	1140	91.3	238	12	US-10-353-708-38	Sequence 38, App1
18	1140	91.3	238	15	US-10-353-708-56	Sequence 56, App1
19	1140	91.3	238	15	US-10-171-452A-38	Sequence 38, App1
20	1140	91.3	238	15	US-10-171-452A-56	Sequence 56, App1
21	1130	90.5	238	12	US-10-353-708-44	Sequence 44, App1
22	1130	90.5	238	15	US-10-353-708-50	Sequence 50, App1
23	1130	90.5	238	12	US-10-171-452A-44	Sequence 44, App1
24	1130	90.5	238	15	US-10-171-452A-50	Sequence 50, App1
25	1042	83.4	238	15	US-10-449-566-98	Sequence 98, App1
26	1039	83.2	240	12	US-10-159-006-36	Sequence 36, App1
27	1032	82.6	218	12	US-10-353-708-39	Sequence 39, App1
28	1032	82.6	218	15	US-10-353-708-57	Sequence 57, App1
29	1032	82.6	218	15	US-10-171-452A-39	Sequence 39, App1
30	1032	82.6	218	15	US-10-171-452A-57	Sequence 57, App1
31	1031	82.5	218	12	US-10-449-566-119	Sequence 119, App
32	1030	82.5	218	9	US-09-917-410-2	Sequence 2, App11
33	1029	82.4	218	11	US-09-925-179-67	Sequence 67, App1
34	1029	82.4	218	12	US-10-449-566-102	Sequence 102, App
35	1024.5	82.0	235	15	US-10-153-382-7	Sequence 7, App1
36	1022	81.8	218	12	US-10-353-708-45	Sequence 45, App1
37	1022	81.8	218	15	US-10-353-708-51	Sequence 51, App1
38	1022	81.8	218	15	US-10-171-452A-45	Sequence 45, App1
39	1022	81.8	218	15	US-10-171-452A-51	Sequence 51, App1
40	1016	81.3	218	9	US-09-802-077-9	Sequence 9, App11
41	1016	81.3	218	9	US-09-802-096-9	Sequence 9, App11
42	1016	81.3	218	9	US-09-920-171-13	Sequence 13, App1
43	1016	81.3	218	11	US-09-925-179-9	Sequence 9, App11
44	1016	81.3	218	12	US-10-113-996-13	Sequence 13, App1
45	1014	81.2	236	10	US-09-859-053-34	Sequence 34, App1

ALIGNMENTS

RESULT 1
US-10-384-933-54
: Sequence 54, Application US/10384933
: Publication No. US20030170817A1
: GENERAL INFORMATION:
: APPLICANT: Serizawa, No. US20030170817A1Jufusa
: APPLICANT: Haruyama, Hideyuki
: APPLICANT: Nakahara, Kaori
: APPLICANT: Tamaki, Ikuro
: APPLICANT: Takahashi, Tohru
: TITLE OF INVENTION: Anti-Pas Antibodies
: FILE REFERENCE: 980126CJP/HG
: CURRENT APPLICATION NUMBER: US/10/384,933
: CURRENT FILING DATE: 2003-02-05
: PRIOR APPLICATION NUMBER: US/09/459,662
: PRIOR FILING DATE: 2000-02-09
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
: NUMBER OF SEQ ID NOS: 165
: SEQ ID NO 54
: LENGTH: 238
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURES:
: OTHER INFORMATION: Description of Artificial Sequence: Designed light
: OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-54

Query Match 100.0%; Score 1249; DB 12; Length 238;
Best local similarity 100.0%; Pred. No. 3.6e-87;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MDTDTLLWVLLWVPGSGNDIVTOSPGTSLSPGRATLSCKASQSDVDGSMY 60
Db 1 MDTDTLLWVLLWVPGSGNDIVTOSPGTSLSPGRATLSCKASQSDVDGSMY 60
Cy 61 QOKGQPKLLIYAASNLBSGIDPDRFSGSGTDFTLTIHPVEEDATATYCCQSDNDR 120

Db 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHVEBEDAATYYCOQSNEDPR 120
 121 TFGCGTLEIKRTVAAPSVFIPEPDEQLKSGTASVCLNNFYPREAKVQKVDNALQS 180
 Db 121 TFGCGTLEIKRTVAAPSVFIPEPDEQLKSGTASVCLNNFYPREAKVQKVDNALQS 180
 QY 181 GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
 Db 181 GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238

RESULT 2

US-10-216-484-54
 ; Sequence 54, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufua
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 54
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-216-484-54

Query Match 100.0%; Score 1249; DB 15; Length 238;
 Best Local Similarity 100.0%; Pred. No. 3.6e-87;
 Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 METDTILLWLLMWPGSTGDIYLTQSPGTLISPGERATLSCAKASQVDYDGSYNNMY 60
 Db 1 METDTILLWLLMWPGSTGDIYLTQSPGTLISPGERATLSCAKASQVDYDGSYNNMY 60
 QY 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHVEBEDAATYYCOQSNEDPR 120
 Db 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHVEBEDAATYYCOQSNEDPR 120
 QY 121 TFGCGTLEIKRTVAAPSVFIPEPDEQLKSGTASVCLNNFYPREAKVQKVDNALQS 180
 Db 121 TFGCGTLEIKRTVAAPSVFIPEPDEQLKSGTASVCLNNFYPREAKVQKVDNALQS 180
 QY 181 GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
 Db 181 GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238

RESULT 3

US-10-384-933-52
 ; Sequence 52, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufua
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 52
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-384-933-52

Query Match 99.1%; Score 1238; DB 12; Length 238;
 Best Local Similarity 99.2%; Pred. No. 2.5e-86;
 Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 METDTILLWLLMWPGSTGDIYLTQSPGTLISPGERATLSCAKASQVDYDGSYNNMY 60
 Db 1 METDTILLWLLMWPGSTGDIYLTQSPGTLISPGERATLSCAKASQVDYDGSYNNMY 60
 QY 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHVEBEDAATYYCOQSNEDPR 120
 Db 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHVEBEDAATYYCOQSNEDPR 120
 QY 121 TFGCGTLEIKRTVAAPSVFIPEPDEQLKSGTASVCLNNFYPREAKVQKVDNALQS 180
 Db 121 TFGCGTLEIKRTVAAPSVFIPEPDEQLKSGTASVCLNNFYPREAKVQKVDNALQS 180
 QY 181 GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238
 Db 181 GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 238

RESULT 4

US-10-216-484-52
 ; Sequence 52, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufua
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 52
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-216-484-52

Query Match 99.1%; Score 1238; DB 15; Length 238;
 Best Local Similarity 99.2%; Pred. No. 2.5e-86;
 Matches 236; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 METDTILLWLLMWPGSTGDIYLTQSPGTLISPGERATLSCAKASQVDYDGSYNNMY 60
 Db 1 METDTILLWLLMWPGSTGDIYLTQSPGTLISPGERATLSCAKASQVDYDGSYNNMY 60
 QY 61 QOKPGQPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHVEBEDAATYYCOQSNEDPR 120


```

Db      61  ||||| 120
        OOKPGAPRLIYAASNLSEGIPIRFSGSGSDTDLTIHPVEEDATYYCOQSNEDPR 120
Qy      121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
        121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Db      121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Qy      181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238
        181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238
Db      181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238

```

RESULT 5
US-10-384-933-109
Sequence 109, Application US/10384933
Publication No. US20030170817A1

```

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufuaa
APPLICANT: Hatuyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-109

```

```

Query Match      98.6%; Score 1231; DB 12; Length 238;
Best Local Similarity 98.3%; Pred. No. 8.4e-86;
Matches 234; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy      1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
        1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
Db      1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
Qy      61  OOKPGAPRLIYAASNLSEGIPIRFSGSGSDTDLTIHPVEEDATYYCOQSNEDPR 120
        61  OOKPGAPRLIYAASNLSEGIPIRFSGSGSDTDLTIHPVEEDATYYCOQSNEDPR 120
Db      61  OOKPGAPRLIYAASNLSEGIPIRFSGSGSDTDLTIHPVEEDATYYCOQSNEDPR 120
Qy      121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
        121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Db      121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Qy      181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238
        181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238
Db      181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238

```

RESULT 6
US-10-216-484-109
Sequence 109, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufuaa
APPLICANT: Hatuyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG

```

CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

```

```

Query Match      98.6%; Score 1231; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 5.4e-83;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

Qy      1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
        1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
Db      1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
Qy      61  OOKPGAPRLIYAASNLSEGIPIRFSGSGSDTDLTIHPVEEDATYYCOQSNEDPR 120
        61  OOKPGAPRLIYAASNLSEGIPIRFSGSGSDTDLTIHPVEEDATYYCOQSNEDPR 120
Db      61  OOKPGAPRLIYAASNLSEGIPIRFSGSGSDTDLTIHPVEEDATYYCOQSNEDPR 120
Qy      121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
        121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Db      121  TFGOGTRLEIKRTVAAPSVFIPEPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALOS 180
Qy      181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238
        181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238
Db      181  GNSQSVTEODSKDSTYSLSTLTLSKADYEKKHYACVTHOGLSPVTSFNRGEC 238

```

RESULT 7
US-10-384-933-50
Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufuaa
APPLICANT: Hatuyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

```

Query Match      95.6%; Score 1194; DB 12; Length 238;
Best Local Similarity 96.2%; Pred. No. 5.4e-83;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

Qy      1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
        1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60
Db      1  METDTILMWLLWVPGSTGDIYLTQSPGTLISPGERATLSCKASQSDYDGDSTYNNY 60

```

```

QY 61 QQRKGPDKLLIYAASNLISGIPDRFSGSGGTDTFTLTHPEEEDATYYCOQSNEDPR 120
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QQRKGPDKLLIYAASNLISGIPDRFSGSGGTDTFTLTHPEEEDATYYCOQSNEDPR 120
QY 121 TFGGTLERIKRTVAASVPIPPPSDQLKSGTASVVCCLNFPYPRAKVQWKVDNALQS 180
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGTLERIKRTVAASVPIPPPSDQLKSGTASVVCCLNFPYPRAKVQWKVDNALQS 180
QY 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPFRGEC 238
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPFRGEC 238

```

RESULT 8

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US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

```

```

Query Match 95.8%; Score 1194; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 5,4e-83;
Matches 229; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSLSPGERATLSCAASQSVVDGDSYNNWY 60
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSLSPGERATLSCAASQSVVDGDSYNNWY 60
QY 61 QQRKGPDKLLIYAASNLISGIPDRFSGSGGTDTFTLTHPEEEDATYYCOQSNEDPR 120
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QQRKGPDKLLIYAASNLISGIPDRFSGSGGTDTFTLTHPEEEDATYYCOQSNEDPR 120
QY 121 TFGGTLERIKRTVAASVPIPPPSDQLKSGTASVVCCLNFPYPRAKVQWKVDNALQS 180
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGTLERIKRTVAASVPIPPPSDQLKSGTASVVCCLNFPYPRAKVQWKVDNALQS 180
QY 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPFRGEC 238
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPFRGEC 238

```

RESULT 9

```

US-10-384-933-107
; Sequence 107, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies

```

```

; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

```

```

Query Match 95.5%; Score 1193; DB 12; Length 238;
Best Local Similarity 95.8%; Pred. No. 6,4e-83;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSLSPGERATLSCAASQSVVDGDSYNNWY 60
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSLSPGERATLSCAASQSVVDGDSYNNWY 60
QY 61 QQRKGPDKLLIYAASNLISGIPDRFSGSGGTDTFTLTHPEEEDATYYCOQSNEDPR 120
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QQRKGPDKLLIYAASNLISGIPDRFSGSGGTDTFTLTHPEEEDATYYCOQSNEDPR 120
QY 121 TFGGTLERIKRTVAASVPIPPPSDQLKSGTASVVCCLNFPYPRAKVQWKVDNALQS 180
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGTLERIKRTVAASVPIPPPSDQLKSGTASVVCCLNFPYPRAKVQWKVDNALQS 180
QY 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPFRGEC 238
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQSVTEBDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSPFRGEC 238

```

RESULT 10

```

US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

```

```

Query Match 95.5%; Score 1193; DB 15; Length 238;
Best Local Similarity 95.8%; Pred. No. 6,4e-83;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSLSPGERATLSCAASQSVVDGDSYNNWY 60
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTLLMWLLMWVPGSTGDIYLTQSPGTLSLSPGERATLSCAASQSVVDGDSYNNWY 60

```

QY 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTFTLTHVEEDATYYCCQSNEDPR 120
DB 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTFTLTHVEEDATYYCCQSNEDPR 120
QY 121 TFGGTLKRIKRTVAASVFIFFPPSDEQLKSGTASVCLNNFPRKAVQMKVDNALQS 180
DB 121 TFGGTLKRIKRTVAASVFIFFPPSDEQLKSGTASVCLNNFPRKAVQMKVDNALQS 180
QY 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSPVTKSPNRGEC 238
DB 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSPVTKSPNRGEC 238

RESULT 11

US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-129

Query Match 92.6%; Score 1157; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.4e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLISLPERGATLSCKASQGVVDYDGSYNNMY 60
DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLISLPERGATLSCKASQGVVDYDGSYNNMY 60
QY 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTFTLTHVEEDATYYCCQSNEDPR 120
DB 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTFTLTHVEEDATYYCCQSNEDPR 120
QY 121 TFGGTLKRIKRTVAASVFIFFPPSDEQLKSGTASVCLNNFPRKAVQMKVDNALQS 180
DB 121 TFGGTLKRIKRTVAASVFIFFPPSDEQLKSGTASVCLNNFPRKAVQMKVDNALQS 180
QY 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSPVTKSPNRGEC 238
DB 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSPVTKSPNRGEC 238

RESULT 12

US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru

; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-129

Query Match 92.6%; Score 1157; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.4e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLISLPERGATLSCKASQGVVDYDGSYNNMY 60
DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLISLPERGATLSCKASQGVVDYDGSYNNMY 60
QY 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTFTLTHVEEDATYYCCQSNEDPR 120
DB 61 QOKRGPRLIYAASNLISGIPDRFSGSGGTDTFTLTHVEEDATYYCCQSNEDPR 120
QY 121 TFGGTLKRIKRTVAASVFIFFPPSDEQLKSGTASVCLNNFPRKAVQMKVDNALQS 180
DB 121 TFGGTLKRIKRTVAASVFIFFPPSDEQLKSGTASVCLNNFPRKAVQMKVDNALQS 180
QY 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSPVTKSPNRGEC 238
DB 181 GNSQSVTEBDSKSTYSLSSTLTLSKADYKHKVYACEVTHQGLSPVTKSPNRGEC 238

RESULT 13

US-10-384-933-131
; Sequence 131, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131

Query Match 92.4%; Score 1154; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 5.8e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLISLPERGATLSCKASQGVVDYDGSYNNMY 60
DB 1 METDTILLWVLLWVPGSTGDIVLTQSPGTLISLPERGATLSCKASQGVVDYDGSYNNMY 60

```

Db      1 METDTLLWLLLMVPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSDVDGDSYNNWY 60
Qy      61 QOKRGOPPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHPVEEDATATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKRGAPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTISSLPEDPATYTCQSNEDPR 120
Qy      121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGQGTVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
Qy      181 GNSQESVTEODSDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEODSDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 14

```

US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

```

```

Query Match      92.4%; Score 1154; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 5.8e-80;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

Qy      1 METDTLLWLLLMVPGSTGDIIVLTGSPGTLSPGERATLSCKASQSDVDGDSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTLLWLLLMVPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSDVDGDSYNNWY 60
Qy      61 QOKRGOPPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHPVEEDATATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKRGAPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTISSLPEDPATYTCQSNEDPR 120
Qy      121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGQGTVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
Qy      181 GNSQESVTEODSDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEODSDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 15

```

US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

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Query Match      92.3%; Score 1153; DB 12; Length 238;
Best Local Similarity 91.6%; Pred. No. 6.2e-80;
Matches 218; Conservative 10; Mismatches 10; Indels 0; Gaps 0;

Qy      1 METDTLLWLLLMVPGSTGDIIVLTGSPGTLSPGERATLSCKASQSDVDGDSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTLLWLLLMVPGSTGDIIVLTGSPSSLSASVGRVTITTCASQSDVDGDSYNNWY 60
Qy      61 QOKRGOPPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTIHPVEEDATATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 QOKRGAPKLLIYAASNLBSGIPDRFSGSGSGTDFTLTISSLPEDPATYTCQSNEDPR 120
Qy      121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGQGTVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFPYPRAKYQMKVDNALQS 180
Qy      181 GNSQESVTEODSDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEODSDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

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Search completed: February 20, 2004, 14:25:31
Job time : 19.0486 secs

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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-89

Perfect score: 2515

Sequence: 1 MGNMCIILFLVATATGVHSQ.....MREALNHYTKSLSPCK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/prodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/prodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/1/1aa/6C.COMB.pep:*
6: /cgn2_6/prodata/1/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2263	90.0	472	4 US-09-301-593-43	Sequence 43, Appl
2	2216	88.1	449	1 US-08-458-516-13	Sequence 13, Appl
3	2214	88.0	476	2 US-08-378-939-10	Sequence 10, Appl
4	2196	87.3	472	4 US-09-301-593-30	Sequence 30, Appl
5	2195.5	87.3	467	3 US-09-049-672A-8	Sequence 8, Appl
6	2189.5	87.1	452	3 US-09-027-449-71	Sequence 71, Appl
7	2189.5	87.1	452	3 US-09-026-965-71	Sequence 71, Appl
8	2189.5	87.1	452	4 US-09-121-952A-71	Sequence 71, Appl
9	2189.5	87.1	452	4 US-09-234-340A-71	Sequence 71, Appl
10	2166	86.1	468	4 US-09-485-737B-90	Sequence 90, Appl
11	2166	86.1	711	4 US-09-485-737B-90	Sequence 18, Appl
12	2156.5	85.7	453	4 US-09-301-593-18	Sequence 22, Appl
13	2155.5	85.7	454	2 US-08-437-642B-22	Sequence 22, Appl
14	2155.5	85.7	454	3 US-08-146-206C-22	Sequence 22, Appl
15	2155.5	85.7	454	4 US-08-146-206C-22	Sequence 22, Appl
16	2155.5	85.7	454	5 PCT-US93-07832-22	Sequence 22, Appl
17	2133	84.8	472	4 US-08-793-450-8	Sequence 8, Appl
18	2133	84.0	451	2 US-08-887-352B-14	Sequence 14, Appl
19	2133	84.0	451	2 US-08-887-352B-16	Sequence 16, Appl
20	2113	84.0	451	3 US-08-466-151-65	Sequence 65, Appl
21	2113	84.0	451	3 US-09-109-207C-14	Sequence 14, Appl
22	2113	84.0	451	3 US-09-109-207C-16	Sequence 16, Appl
23	2113	84.0	451	3 US-09-296-005-14	Sequence 14, Appl
24	2113	84.0	451	3 US-09-296-005-16	Sequence 16, Appl
25	2110	83.9	478	3 US-08-487-550-8	Sequence 8, Appl
26	2110	83.9	478	4 US-09-526-098-8	Sequence 8, Appl
27	2105	83.7	451	2 US-08-867-352B-18	Sequence 18, Appl

28	2105	83.7	451	3 US-09-109-207C-18	Sequence 18, Appl
29	2105	83.7	451	3 US-09-282-505-2	Sequence 2, Appl
30	2105	83.7	451	3 US-09-054-255-2	Sequence 2, Appl
31	2105	83.7	451	3 US-09-296-005-18	Sequence 18, Appl
32	2105	83.7	451	4 US-09-282-846-2	Sequence 2, Appl
33	2105	83.7	451	4 US-09-680-145-2	Sequence 2, Appl
34	2094	83.3	453	4 US-08-466-151-8	Sequence 8, Appl
35	2094	83.3	453	4 US-08-466-163B-8	Sequence 8, Appl
36	2091.5	83.2	449	4 US-09-679-397-2	Sequence 2, Appl
37	2091.5	83.2	449	4 US-09-680-148-2	Sequence 2, Appl
38	2091.5	83.2	449	4 US-09-304-465A-2	Sequence 3, Appl
39	2089	83.1	451	4 US-09-247-352-3	Sequence 3, Appl
40	2087.5	83.0	467	4 US-07-916-098A-45	Sequence 45, Appl
41	2087.5	83.0	552	5 PCT-US93-07832-23	Sequence 23, Appl
42	2083.5	82.8	465	2 US-07-934-373C-23	Sequence 23, Appl
43	2080.5	82.7	469	3 US-08-437-642B-23	Sequence 23, Appl
44	2080.5	82.7	469	3 US-08-146-206C-23	Sequence 23, Appl
45	2080.5	82.7	469	4	

ALIGNMENTS

```
RESULT 1
US-09-301-593-43
Sequence 43, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John B.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leiger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OR INVENTION: PAP-specific Antibody with Improved Productivity
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1998-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 43
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-43
Query Match 90.0%; Score 2263; DB 4; Length 472;
Best Local Similarity 90.7%; Pred. No. 8.3e-168;
Matches 429; Conservative 28; Indels 4; Gaps 2;
1 MGNMCIILFLVATATGVHSQVQLYQSGAENVKKPKASVCKASGTYFTSYMQWVQAP 60
1 MMTVRVFCILAVPAGHSQVQLVQSGAEVKKPKASVCKASGTYFTSYFTIHWVQAP 60
61 GQRLFMGIDSDSDYTNOKFKATLTVTSASTYMLSLRSEDTAVVYCAARRI 120
61 GQRLFMGIDSDSDYTNOKFKATLTVTSASTYMLSLRSEDTAVVYCAARRI 120
120 --DYSNNMFEDVWGEGTLTVTSASTKGPVPLAPSSKTSGGTALGCLVQYFPEPV 177
121 AYVDGSHAMDYWGQETLVTVSS-STKGPSVPLAPSSKTSGGTALGCLVQYFPEPV 179
178 TVSNNGALTSQVHFRPAVLQSSGLYSLSVTVSSISLGTQTYICNVNHRPNKVDKR 237
180 TVSNNGALTSQVHFRPAVLQSSGLYSLSVTVSSISLGTQTYICNVNHRPNKVDKR 239
238 VEPKSCDKTTPCPCPAPPELLGSPVFLPPPKKQTMISRTPEVTCVVVDVSHEDPEVK 297
240 VEPKSCDKTTPCPCPAPPELLGSPVFLPPPKKQTMISRTPEVTCVVVDVSHEDPEVK 299
```

QY 298 FNNVVDGEVNAKTKREBQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAP1EK 357
DB 300 FNNVVDGEVNAKTKREBQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAP1EK 359
QY 358 TISKAKQOPREPOVYTLTPSPREBTKNOVSLTCLVKGFPYSDIAVEMSNQPENNYKTT 417
DB 360 TISKAKQOPREPOVYTLTPSPREBTKNOVSLTCLVKGFPYSDIAVEMSNQPENNYKTT 419
QY 418 PVLVDSDGSPFLYKLTVDKSRMOQGNVFCSCVMHEALHNHTYOKSLSPGK 470
DB 420 PVLVDSDGSPFLYKLTVDKSRMOQGNVFCSCVMHEALHNHTYOKSLSPGK 472

RESULT 2

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 577085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIB/IIIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458, 516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 88.1%; Score 2216; DB 1; Length 449;
Best Local Similarity 92.5%; Pred. No. 3,4e-164;
Matches 417; Conservative 15; Mismatches 17; Indels 2; Gaps 2;

QY 20 QVOLVSGAEYKKGKSGYVTSYMMQVQADGRLWMGBIDPSDSYTN 79
DB 1 QVOLVSGAEYKKGKSGYVTSYMMQVQADGRLWMGBIDPSDSYTN 60
QY 80 NOKFKGATLVDTASATAYNELSLRSEDYAVYCARNDYSNNWYFDVWEGTLTVS 139
DB 61 NEKFKGATLVDTASATAYNELSLRSEDYAVYCARNDYSNNWYFDVWEGTLTVS 118
QY 140 SASTGSPVPLPABSSKSTSGGTALGLVDYPPPEYTVWSNGALTSGVHTPPAVLOS 199

DB 119 SASTGSPVPLPABSSKSTSGGTALGLVDYPPPEYTVWSNGALTSGVHTPPAVLOS 178
QY 200 SGLYSLSVTVYBSSSLGTQTYICNVNHPKNTKVDKRVKPKSCDKTHTCPCPAPILG 259
DB 179 SGLYSLSVTVYBSSSLGTQTYICNVNHPKNTKVDKRVKPKSCDKTHTCPCPAPILG 238
QY 260 GPSVFLFPPEPKOTLMISRPPEYTCVVVDVSHEDPEVKFNNWYDGVVNAKTKPREBOY 319
DB 239 GPSVFLFPPEPKOTLMISRPPEYTCVVVDVSHEDPEVKFNNWYDGVVNAKTKPREBOY 298
QY 320 NSTYRVSVLTVLHODMLNGEKYCKVSNKALPAP1EKTISKAGPREPOVYTLTPSPRE 379
DB 299 NSTYRVSVLTVLHODMLNGEKYCKVSNKALPAP1EKTISKAGPREPOVYTLTPSPRE 358
QY 380 EMTKNQVSLTCLVKGFPYSDIAVEMSNQPENNYKTTTPVLVDSDGSPFLYKLTVDKSR 439
DB 359 ELTKNQVSLTCLVKGFPYSDIAVEMSNQPENNYKTTTPVLVDSDGSPFLYKLTVDKSR 418
QY 440 WQGNVFCSCVMHEALHNHTYOKSLSPGK 470
DB 419 WQGNVFCSCVMHEALHNHTYOKSLSPGK 449

RESULT 3

US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378, 939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G.
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6031
TELEFAX: (202) 783-6040
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

Query Match 88.0%; Score 2214; DB 2; Length 476;
Best Local Similarity 87.8%; Pred. No. 5,3e-164;
Matches 418; Conservative 22; Mismatches 30; Indels 6; Gaps 1;

QY 1 MGNSCITLFLVATATGHSQVOLVSGAEYKKGKSGYVTSYMMQVQADGRLWMGBIDPSDSYTN 60
DB 1 MDWTMRFLPVAAATGVQSQVQVQSGAEYKKGKSGYVTSYMMQVQADGRLWMGBIDPSDSYTN 60

QY 61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASASTAYMELSLRSEDPTAVYCARNR- 119
 Db 61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASASTAYMELSLRSEDPTAVYCARNR- 120
 QY 120 -----DYSNNWYFDVWGBGTLTVSSASTKSPSVFLPAPSSKSTSGGTAALGCLVKDYFP 174
 Db 121 RQANPBRARVGFEDPFGOGTLTVSSASTKSPSVFLPAPSSKSTSGGTAALGCLVKDYFP 180
 QY 175 EPTVTSNNSGALTSVHTFPAYLQSSGLYSLSSVTVSSIGCTGYICNVHKSNTKV 234
 Db 181 EPTVTSNNSGALTSVHTFPAYLQSSGLYSLSSVTVSSIGCTGYICNVHKSNTKV 240
 QY 235 DKRVKPSCDKTHCTPCCPAPPELLGSPVFLPPEKPDITLMSRTEVTCTVVDVSHEDP 294
 Db 241 DKRVKPSCDKTHCTPCCPAPPELLGSPVFLPPEKPDITLMSRTEVTCTVVDVSHEDP 300
 QY 295 EYKFWYVDGVEVHNATKPREBOYNSTYRVSVTLVTHODMNGEKYCKVSNKALPAP 354
 Db 301 EYKFWYVDGVEVHNATKPREBOYNSTYRVSVTLVTHODMNGEKYCKVSNKALPAP 360
 QY 355 IKTISKAGOPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVWESNGOPENNY 414
 Db 361 IKTISKAGOPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVWESNGOPENNY 420
 QY 415 KTTPTLSDSGSPFLYSKLTVDKSRMOQGNVPSCSVMHEALHNHYTKSLSPGK 470
 Db 421 KTTPTLSDSGSPFLYSKLTVDKSRMOQGNVPSCSVMHEALHNHYTKSLSPGK 476

RESULT 4
 US-09-301-593-30
 ; Sequence 30, Application US/09301593A

; GENERAL INFORMATION:
 ; PATENT NO. 6455677
 ; APPLICANT: Park, John E.
 ; APPLICANT: Garin-Chebe, Pilar
 ; APPLICANT: Bamberger, Uwe
 ; APPLICANT: Saldanha, Jose W.
 ; APPLICANT: Rettig, Wolfgang J.
 ; TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
 ; FILE REFERENCE: 0652.1890001
 ; CURRENT APPLICATION NUMBER: US/09/301.593A
 ; EARLIER FILING DATE: 1999-04-29
 ; EARLIER FILING DATE: 1998-04-30
 ; EARLIER APPLICATION NUMBER: US 60/086,049
 ; EARLIER FILING DATE: 1998-05-18
 ; NUMBER OF SEQ ID NOS: 108
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 30
 ; LENGTH: 472
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-301-593-30

Query Match 87.3%; Score 2196; DB 4; Length 472;
 Best Local Similarity 87.7%; Pred. No. 1.3e-162; Indels 4; Gaps 2;
 Matches 415; Conservative 20; Mismatches 34;

QY 1 MGSWVFLSLGTRGVLSVQLQSGPELVKPAASVMSCKSTRFTFTTHWYRQSH 60
 Db 1 MGSWVFLSLGTRGVLSVQLQSGPELVKPAASVMSCKSTRFTFTTHWYRQSH 60
 QY 61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASASTAYMELSLRSEDPTAVYCARNR- 119
 Db 61 GORLEWMEIDPSDSTYNNOKFKGKATLTVDTASASTAYMELSLRSEDPTAVYCARNR- 120
 QY 120 --DYSNNWYFDVWGBGTLTVSSASTKSPSVFLPAPSSKSTSGGTAALGCLVKDYFP 177
 Db 121 AYGYDEGHAMDYVGGTSTYVSS-STKGPSVFLPAPSSKSTSGGTAALGCLVKDYFP 179

QY 178 TVSNNSGALTSVHTFPAYLQSSGLYSLSSVTVSSIGCTGYICNVHKSNTKVDR 237
 Db 180 TVSNNSGALTSVHTFPAYLQSSGLYSLSSVTVSSIGCTGYICNVHKSNTKVDR 239
 QY 238 VEPSCDKTHCTPCCPAPPELLGSPVFLPPEKPDITLMSRTEVTCTVVDVSHEDPEVK 297
 Db 240 VEPSCDKTHCTPCCPAPPELLGSPVFLPPEKPDITLMSRTEVTCTVVDVSHEDPEVK 299
 QY 298 FNMVYVDGVEVHNATKPREBOYNSTYRVSVTLVTHODMNGEKYCKVSNKALPAP 357
 Db 300 FNMVYVDGVEVHNATKPREBOYNSTYRVSVTLVTHODMNGEKYCKVSNKALPAP 359
 QY 358 TISKAGOPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVWESNGOPENNY 417
 Db 360 TISKAGOPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVWESNGOPENNY 419
 QY 418 PPTLSDSGSPFLYSKLTVDKSRMOQGNVPSCSVMHEALHNHYTKSLSPGK 470
 Db 420 PPTLSDSGSPFLYSKLTVDKSRMOQGNVPSCSVMHEALHNHYTKSLSPGK 472

RESULT 5
 US-09-049-672A-8
 ; Sequence 8, Application US/09049672A

; GENERAL INFORMATION:
 ; PATENT NO. 6135941
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Yue, Henry
 ; APPLICANT: Au-Young, Janice
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Guejter, Karl J.
 ; APPLICANT: Baughn, Mariah R.
 ; TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
 ; NUMBER OF SEQUENCES: 28
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: PastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/049,672A
 ; FILING DATE: HEREWITH
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:

; ATTORNEY/AGENT INFORMATION:
 ; NAME: Cestone, Michael C
 ; REGISTRATION NUMBER: 39,132
 ; REFERENCE/DOCKET NUMBER: PF-0497 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-855-0555
 ; TELEFAX: 650-845-4166
 ; TELEX:

; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 467 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: LUNGUT11
 ; CLONE: 2747531
 ; US-09-049-672A-8

Query Match 87.3%; Score 2195.5; DB 3; Length 467;
 Best Local Similarity 89.0%; Pred. No. 1.4e-162;
 Matches 413; Conservative 20; Mismatches 28; Indels 3; Gaps 1;

QY 7 ILPLVATATGVHGVOLVQSGAEVKKPKGASVYKSCAKSGTPTSYMMQWKAQAGOLEW 66
 DB 7 ILPLVAAATGTTHQVQVQSGAEVKKPKGASVYKSCAKSGTPTSYMMQWKAQAGOLEW 66
 QY 67 MGELIDPDSYTNVYQKFKGKATLTVDTSASTAYMELSLRSEDPYAVYYCARNDYNNMY 126
 DB 67 MGELIAPNGEAVYVAKKLGKLTLSBDSADTAAYFLNNLSSEDAIYYCARH---YDF 123
 QY 127 FDMVGEGLTVYSSASTKGPSPVFPPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGAL 186
 DB 124 FDMVQGTMTVYSSASTKGPSPVFPPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGAL 183
 QY 187 TSGVHTFPAYLQSGGLYSLSVTVVPSLSGTYTICNVNHPKPNYVDRKVEKSCDKT 246
 DB 184 TSGVHTFPAYLQSGGLYSLSVTVVPSLSGTYTICNVNHPKPNYVDRKVEKSCDKT 243
 QY 247 HTCPCPAPELLGGSPVFPFPKPKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVE 306
 DB 244 HTCPCPAPELLGGSPVFPFPKPKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVE 303
 QY 307 VNAKTPREQVNSTYRVVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAGOP 366
 DB 304 VNAKTPREQVNSTYRVVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAGOP 363
 QY 367 REQVYTLFPPSRREMTKQVSLTCLVKGFPSPDIANVESNGQENNYKTPPVLDDSG 426
 DB 364 REQVYTLFPPSRREMTKQVSLTCLVKGFPSPDIANVESNGQENNYKTPPVLDDSG 423
 QY 427 FPLYSKLTVDKSRMVGQNVFSCVMEHALNHYTKSLSPGK 470
 DB 424 FPLYSKLTVDKSRMVGQNVFSCVMEHALNHYTKSLSPGK 467

RESULT 6

US-09-027-449-71
 Sequence 71, Application US/09027449
 Patent No. 6025158
 GENERAL INFORMATION:
 APPLICANT: Gonzalez, Tania R.
 APPLICANT: Leon, Steven R.
 APPLICANT: Presta, Leonard G.
 TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
 TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/027,449
 FILING DATE: 20-Feb-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/074,330
 FILING DATE: 22-Jan-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/038,664
 FILING DATE: 21-Feb-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Love, Richard B.

REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P1085R3-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-5530
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 71:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 452 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-09-027-449-71

Query Match 87.1%; Score 2189.5; DB 3; Length 452;
 Best Local Similarity 89.6%; Pred. No. 4e-162;
 Matches 405; Conservative 28; Mismatches 18; Indels 1; Gaps 1;

QY 20 QVQVQSGAEVKKPKGASVYKSCAKSGTPTSYMMQWKAQAGOLEWSDSYTN 79
 DB 1 EVQVQSGGLVQPGGSLRLSCAASGYSFSSHYMHWKQAPGKLEWGYIIDSNGETTY 60
 QY 80 NQFKGKATLTVDTSASTAYMELSLRSEDPYAVYYCAR-NRDYNNMYFDMVGEGLTVY 138
 DB 61 NQFKGKATLTVDTSASTAYMELSLRSEDPYAVYYCAR-NRDYNNMYFDMVGEGLTVY 120
 QY 139 SSASTKGPSPVFPPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGALTSVHTFPAYLQ 198
 DB 121 SSASTKGPSPVFPPLAPSSKSTSGTAAAGCLVQYFPEPVYVWNSGALTSVHTFPAYLQ 180
 QY 199 SSGGLYSLSVTVVPSLSGTYTICNVNHPKPNYVDRKVEKSCDKTHTCPCPABELL 258
 DB 181 SSGGLYSLSVTVVPSLSGTYTICNVNHPKPNYVDRKVEKSCDKTHTCPCPABELL 240
 QY 259 GGPSPVFPFPKPKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTPREEQ 318
 DB 241 GGPSPVFPFPKPKDTLMTSRPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTPREEQ 300
 QY 319 YNSTYRVVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAGOPRQVYTLPPSR 378
 DB 301 YNSTYRVVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAGOPRQVYTLPPSR 360
 QY 379 EEMTKQVSLTCLVKGFPSPDIANVESNGQENNYKTPPVLDDSGFPLYSKLTVDKS 438
 DB 361 EEMTKQVSLTCLVKGFPSPDIANVESNGQENNYKTPPVLDDSGFPLYSKLTVDKS 420
 QY 439 RMOQGVFSCVMEHALNHYTKSLSPGK 470
 DB 421 RMOQGVFSCVMEHALNHYTKSLSPGK 452

RESULT 7

US-09-026-985-71
 Sequence 71, Application US/09026985
 Patent No. 6133426
 GENERAL INFORMATION:
 APPLICANT: Gonzalez, Tania R.
 APPLICANT: Leon, Steven R.
 APPLICANT: Presta, Leonard G.
 TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
 TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:

Mon Feb 23 07:54:42 2004

us-09-499-662-89.rail

Page 5

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APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108SR3-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71

Query Match      87.1%; Score 2189.5; DB 3; Length 452;
Best Local Similarity 89.6%; Pred. No. 46-162;
Matches 405; Conservative 28; Mismatches 18; Indels 1; Gaps 1

QY 20 QVALVSGAEVKKKPKDASVAVSCAKSGYTSTYFMQWVKAPQARLEMMGEIDPDSYTNV 79
DB 1 EVQIVVSGGVLPQPGSLKSCAASGYSSSHYMMVRQAPKGLGVGVIYIPSNDETTY 60
QY 80 NQKFKGKATLVYDTSASTAYMELSLRSEDTAVTYCAR-NRDYSNNVYDVGEGTLTV 138
DB 61 NQKFKGRFTLSRDNQSKNTAYLVQNNSTRADTAIVYCARQDYYRNGDMFDPWVGQGLTV 120
QY 139 SGAATKGPVPFPLAPBSKSTSGGTALGCLVMDPPEPYTVSNQSGALNSGVTFPAVLQ 198
DB 121 SGAATKGPVPFPLAPBSKSTSGGTALGCLVMDPPEPYTVSNQSGALNSGVTFPAVLQ 180
QY 199 SSGVLSLSVVTWPPSSSLGTQYTCVNNHKNPNTKYDKRAVEPKSCDKTHCPCCPAPELL 258
DB 181 SSGVLSLSVVTWPPSSSLGTQYTCVNNHKNPNTKYDKRAVEPKSCDKTHCPCCPAPELL 240
QY 259 GGPVVELFPKPKKDTLMISRTPEVTCVVDVSHEDPEVKNNVVDGVEVNAATKKREBQ 318
DB 241 GGPVVELFPKPKKDTLMISRTPEVTCVVDVSHEDPEVKNNVVDGVEVNAATKKREBQ 300
QY 319 YNSTYVAVSLVTLVHODWLNKGEYKCKVSNKALPAPIEKTISAKAGQPREPOVYTLPPSR 378
DB 301 YNSTYVAVSLVTLVHODWLNKGEYKCKVSNKALPAPIEKTISAKAGQPREPOVYTLPPSR 360
QY 379 EEMTKNQVSLTCLVKGFPSPDIADVEMESNQCPENNNTKTPVLDSDSFLYSLTLVYDKS 438
DB 361 EEMTKNQVSLTCLVKGFPSPDIADVEMESNQCPENNNTKTPVLDSDSFLYSLTLVYDKS 420
QY 439 RMOQGNVFSQVMHEALHNHYTKSLSLSPGK 470
DB 421 RMOQGNVFSQVMHEALHNHYTKSLSLSPGK 452

RESULT 8
US-09-121-952A-71
Sequence 71, Application US/09121952A
Patent No. 6458355
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., HseI, Vanessa
APPLICANT: Koumenis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shabrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California

```

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COUNTY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match      87.1%; Score 2189.5; DB 4; Length 452;
Best Local Similarity 89.6%; Pred. No. 4e-162;
Matches 405; Conservative 28; Mismatches 18; Indels 1; Gaps 14

QY 20 QVALVQSGAIVKKGCAAYKVCCKASGTYFTSYMQVMQVQAGQRLQEMNGEIDPSDSTYNY 79
   |||:::|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 1 EVQLVQSGGGLVQPGSGRLSCAASGYSFSSHYMHVQAPEKGLIEWGYIDPSNGETTY 60
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 80 NQKFGKATLVDTASTAYVMELSLRSDPTAVVYCAR-NRDYSNNVYEDVWGEGTLVTV 138
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 61 NQKFGKFTLSKDNKNTATYLMNSLRADDTAVYTCAGDTRYKNDWDFDVGQGTLVTV 120
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 139 SASTGSPVFLPAPSSTKSTSGTALGCLVQDYPEPYTWSNGALTSVHTTPAVLQ 198
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 121 SASTKGSPVFLPAPSSTKSTSGTALGCLVQDYPEPYTWSNGALTSVHTTPAVLQ 180
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 199 SSGLYSLSSVTVPSSTGLGTQTYICNVNKPSTKYDKRVEKSCDKTHTCPCPAPELL 258
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 181 SSGLYSLSSVTVPSSTGLGTQTYICNVNKPSTKYDKRVEKSCDKTHTCPCPAPELL 240
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 259 GGSVGLPFPKPKDPTLMISRTPEVTCVVVDVSHEDPEVFENYVDGVENHNAKTKREBO 318
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 241 GGSVGLPFPKPKDPTLMISRTPEVTCVVVDVSHEDPEVFENYVDGVENHNAKTKREBO 300
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 319 YNSTYVSVTLVTHQDWLNGEKYKCKVSNKALPAPIEKTIISKAKQPRRPQYITLPPSR 378
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 301 YNSTYVSVTLVTHQDWLNGEKYKCKVSNKALPAPIEKTIISKAKQPRRPQYITLPPSR 360
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 379 EEMTKQVSLTCLVKGFPYPSDIAVEKESNQGPENNYKTPPVYDSDGSFSLYSKLTIVDKS 438
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 361 EEMTKQVSLTCLVKGFPYPSDIAVEKESNQGPENNYKTTTPVYDSDGSFSLYSKLTIVDKS 420
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 439 RMOQGNVFCSVNHEALHNHYTQKSLSLSPGK 470
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DB 421 RMOQGNVFCSVNHEALHNHYTQKSLSLSPGK 452
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|

RESULT 9
US-09-234-340A-71
; Sequence 71, Application US/09234340A
; Patent No. 646832
; GENERAL INFORMATION:

```

APPLICANT: Genentech, Inc., HseI, Vanessa
APPLICANT: Koumens, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.1%; Score 2189.5; DB 4; Length 452;
Best Local Similarity 89.6%; Pred. No. 4e-162;
Matches 405; Conservative 28; Mismatches 18; Indels 1; Gaps 1;

QY 20 QVQLVDSGAEVKKGASVKNSCKASGYPFTSYMMQWVKQAPGRLLEMMGEIDPSDYTNY 79
DB 1 EVQLVDSGGGIVGGSGSLRSCAASGYSFSSHYMMVKQAPGKLEWVGITIDPSNGETTY 60
QY 80 NQKFKGKATLVDTASTAYMELSLRSBDTAVYYCAR-NRDYSNNYFDVWGEGTLVTV 138
DB 61 NQKFKGKFTLSRDSKNTAVLQWNSLRABDTAVYYCARGDYRNYGDMFDFWGGTLVTV 120
QY 139 SASTKSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNWNGALTSGVHTFPVVLQ 198
DB 121 SSASTKSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNWNGALTSGVHTFPVVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQTYICNNHMKPSNTKVDKRVKPSCDTHHCPCPAPPELL 258
DB 181 SSGLYSLSSVTVVSSSLGTQTYICNNHMKPSNTKVDKRVKPSCDTHHCPCPAPPELL 240
QY 259 GGSVFLFPKPKDITLMIISRTPEYTCVVDVSHEDPEVKFNWYVDGEVHNAAKTPREEQ 318
DB 241 GGSVFLFPKPKDITLMIISRTPEYTCVVDVSHEDPEVKFNWYVDGEVHNAAKTPREEQ 300
QY 319 YNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSR 378

DB 301 YNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSR 360
QY 379 EEMTKQVSLTCLVKGFPSPDIAVEMSNQCPENNYKTPPVLDSGDFLYSLKLYDKS 438
DB 361 EEMTKQVSLTCLVKGFPSPDIAVEMSNQCPENNYKTPPVLDSGDFLYSLKLYDKS 420
QY 439 RMOQGNVSCSVNHEALHNHYTQKSLSLSPGK 470
DB 421 RMOQGNVSCSVNHEALHNHYTQKSLSLSPGK 452

RESULT 10

US-09-485-737B-67
Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buyse, Marie-Ange
APPLICANT: Sablon, Erwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.1%; Score 2166; DB 4; Length 468;
Best Local Similarity 87.7%; Pred. No. 2.8e-160;
Matches 408; Conservative 21; Mismatches 32; Indels 4; Gaps 1;

QY 6 IILFLVATATGVSQVQLVDSGAEVKKGASVKNSCKASGYPFTSYMMQWVKQAPGRL 65
DB 7 IFSFLIASAVILISQVQLVDSGSELKKPGASVYKISCAASYTFDYGMNWKQAPGQGLK 66
QY 66 VMGEIDPSDYTYNNQKFKGKATLVDTASTAYMELSLRSBDTAVYYCARRDYNNM 125
DB 67 VMGMINTYTGESTYVDYDFKGRFVFSLDTSVAAYLQISSLKADDTATYFCARRGFYA-- 123
QY 126 YFDVWGEGTLVTVSSASTKSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNWNGA 185
DB 124 -MDYWGQGTIVTVSSASTKSPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNWNGA 182
QY 186 LTSGVHTFPVVLQSSGLYSLSSVTVVSSSLGTQTYICNNHMKPSNTKVDKRVKPSCDK 245
DB 183 LTSGVHTFPVVLQSSGLYSLSSVTVVSSSLGTQTYICNNHMKPSNTKVDKRVKPSCDK 242
QY 246 THTCPCPAPPELLGGSVFLFPKPKDITLMIISRTPEYTCVVDVSHEDPEVKFNWYVDG 305
DB 243 THTCPCPAPPELLGGSVFLFPKPKDITLMIISRTPEYTCVVDVSHEDPEVKFNWYVDG 302
QY 306 EVHNAAKTPREBOYNSYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQ 365
DB 303 EVHNAAKTPREBOYNSYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQ 362
QY 366 PREPQVYTLPPSR EEMTKQVSLTCLVKGFPSPDIAVEMSNQCPENNYKTPPVLDSG 425
DB 363 PREPQVYTLPPSR EEMTKQVSLTCLVKGFPSPDIAVEMSNQCPENNYKTPPVLDSG 422
QY 426 SFLYSLKLYDKSRMOQGNVSCSVNHEALHNHYTQKSLSLSPGK 470

Db 423 SFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 467

RESULT 11

US-09-485-737B-90

/ Sequence 90, Application US/09485737B

/ Patent No. 6350860

/ GENERAL INFORMATION:

/ APPLICANT: Buyee, Marie-Ange

/ APPLICANT: Sadlon, Edwin

/ TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

/ TITLE OF INVENTION: CACHEKIA, IMMUNE DISEASES AND SKIN DISORDERS

/ FILE REFERENCE: INNS:015

/ CURRENT APPLICATION NUMBER: US/09/485,737B

/ PRIOR FILING DATE: 2000-02-14

/ PRIOR APPLICATION NUMBER: PCT/EP 98/05165

/ PRIOR FILING DATE: 1998-08-14

/ PRIOR APPLICATION NUMBER: EPO 98870139.7

/ PRIOR FILING DATE: 1998-06-18

/ PRIOR APPLICATION NUMBER: EPO 97870122.5

/ PRIOR FILING DATE: 1997-08-18

/ NUMBER OF SEQ ID NOS: 104

/ SOFTWARE: PatentIn version 3.0

/ SEQ ID NO 90

/ LENGTH: 711

/ TYPE: PRT

/ ORGANISM: Artificial Sequence

/ FEATURE:

/ OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.1%; Score 2166; DB 4; Length 711;

Best Local Similarity 87.7%; Pred. No. 4,9e-160;

Matches 406; Conservative 21; Mismatches 32; Indels 4; Gaps 1;

Qy 6 IILFLVATATGVSQVQLVDSGAEVKKRQASGYSYSSYMMQWYQADPQRL 65

Db 7 IFSFLIASAVYISQVQLVDSGSELKRRGASVYISCRASGYTFIDYGMNWYQADPQRL 66

Qy 66 WNGEIDSDSTYNNQKFKGATITVDTSASTAMELSLSSEDTAVYYCARNDYSNNW 125

Db 67 WNGINNTYTGSTYVDFFKGRFVPSLDTSVAALQISLSLAEDTATYFCARRGFTYA-- 123

Qy 126 YFDWNGSLTVTSASSTKGPSPVPLAPSSKSTSGTALGCLVNDYFPEPTVSNMNSGA 185

Db 124 -MDWNGSLTVTSASSTKGPSPVPLAPSSKSTSGTALGCLVNDYFPEPTVSNMNSGA 182

Qy 186 LITSGVATFPAYLQSSGLYSLSSTVTPSSSLGTQYIICNVNHPKSNMTKVDKRVKPKSCDK 245

Db 183 LITSGVATFPAYLQSSGLYSLSSTVTPSSSLGTQYIICNVNHPKSNMTKVDKRVKPKSCDK 242

Qy 246 THTPCPAPAPLIGSPVPLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGV 305

Db 243 THTPCPAPAPLIGSPVPLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGV 302

Qy 306 EVNNAKTPREKQYNSYTRVYSVLTVLHODWLNKGEYKCKSNKALPAPIEKTISKAKGQ 365

Db 303 EVNNAKTPREKQYNSYTRVYSVLTVLHODWLNKGEYKCKSNKALPAPIEKTISKAKGQ 362

Qy 366 PREPOVYTLPPSRREMTKNQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSDG 425

Db 363 PREPOVYTLPPSRREMTKNQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSDG 422

Qy 426 SFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 470

Db 423 SFFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTQKSLSPGK 467

RESULT 12

US-09-301-593-18

/ Sequence 18, Application US/09301593A

/ Patent No. 6455677

/ GENERAL INFORMATION:

APPLICANT: Park, John R.

APPLICANT: Garin-Chesa, Pilar

APPLICANT: Bamberger, Uwe

APPLICANT: Leger, Olivier

APPLICANT: Saldanha, Jose W.

APPLICANT: Rettig, Wolfgang J.

TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility

FILE REFERENCE: 0652.1890001

CURRENT APPLICATION NUMBER: US/09/301,593A

CURRENT FILING DATE: 1999-04-29

EARLIER APPLICATION NUMBER: EP 98107925.4

EARLIER FILING DATE: 1998-04-30

EARLIER APPLICATION NUMBER: US 60/086,049

EARLIER FILING DATE: 1998-05-18

NUMBER OF SEQ ID NOS: 108

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 18

LENGTH: 453

TYPE: PRT

ORGANISM: Homo sapiens

US-09-301-593-18

Query Match 85.7%; Score 2156.5; DB 4; Length 453;

Best Local Similarity 89.6%; Pred. No. 1.5e-159;

Matches 406; Conservative 16; Mismatches 28; Indels 3; Gaps 1;

Qy 21 VOLVSGAEVKKRQASVYSCKASGYTFYSYMMQWYQADPQRLWNGEIDPSDSTNNYN 80

Db 1 VOLVSGAEVKKRQASVYSCKASGYTFYSYMMQWYQADPQRLWNGEIDPSDSTNNYN 80

Qy 81 QKFKGATITLVGKSSSTAYMELSLTSEDAVYFCARRIAYGDEGHANDYWGQGTSTV 120

Db 61 QKFKGATITLVGKSSSTAYMELSLTSEDAVYFCARRIAYGDEGHANDYWGQGTSTV 120

Qy 138 VSSASTGSPVFLAPSSKSTSGTALGCLVNDYFPEPTVSNMNSGALTSGVHTFPAYL 197

Db 121 VSSASTGSPVFLAPSSKSTSGTALGCLVNDYFPEPTVSNMNSGALTSGVHTFPAYL 180

Qy 198 QSSGLYSLSSTVTPSSSLGTQYIICNVNHPKSNMTKVDKRVKPKSCDKTHTCPCPAPEL 257

Db 181 QSSGLYSLSSTVTPSSSLGTQYIICNVNHPKSNMTKVDKRVKPKSCDKTHTCPCPAPEL 240

Qy 258 LGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVNNAKTPRE 317

Db 241 LGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYDGVNNAKTPRE 300

Qy 318 QYNSTYRVSVLTVLHODWLNKGEYKCKSNKALPAPIEKTISKAKGQPEPOVYTL 377

Db 301 QYNSTYRVSVLTVLHODWLNKGEYKCKSNKALPAPIEKTISKAKGQPEPOVYTL 360

Qy 378 REEMTKNQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSDGSPFLYSKLTVDK 437

Db 361 REEMTKNQVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPVLDSDGSPFLYSKLTVDK 420

Qy 438 SRWQGNVFCSCVMHEALHNHYTQKSLSPGK 470

Db 421 SRWQGNVFCSCVMHEALHNHYTQKSLSPGK 453

RESULT 13

US-07-934-373C-22

/ Sequence 22, Application US/07934373C

/ Patent No. 5821337

/ GENERAL INFORMATION:

/ APPLICANT: Paul J. Carter

/ APPLICANT: Leonard G. Presta

/ TITLE OF INVENTION: Immunoglobulin Variants

/ NUMBER OF SEQUENCES: 48

/ CORRESPONDENCE ADDRESS:

/ ADDRESSEE: Genentech, Inc.

/ STREET: 1 DNA Way

/ CITY: South San Francisco

/ STATE: California

QY 377 SREBMTNVOVSLTCLVGFYPSDIAVEMESNGOPENNKTTPVLDSDGSFPLXSKLTVD 436
DB 361 SREBMTNVOVSLTCLVGFYPSDIAVEMESNGOPENNKTTPVLDSDGSFPLXSKLTVD 420
QY 437 KSRWQGNVFSQSVMEALHNHYTQKSLSLSPGK 470
DB 421 KSRWQGNVFSQSVMEALHNHYTQKSLSLSPGK 454

RESULT 15

US-08-146-206C-22
; Sequence 22, Application US/08146206C
; Patent No. 6407213
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Preeta, Leonard G.
; TITLE OF INVENTION: Method for Making Humanized Antibodies
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Minipain (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/146,206C
; FILING DATE: 17-No. 6407213-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/715272
; FILING DATE: 14-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0709P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1994
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: Amino Acid
; TOPOLOGY: linear
; US-08-146-206C-22

Query Match 85.7%; Score 2155.5; DB 4; Length 454;
Best Local Similarity 89.2%; Pred. No. 1.7e-159;
Matches 405; Conservative 17; Mismatches 29; Indels 3; Gaps 1;

QY 20 QVQVIVSGAIVKQKPGASVSKASGTTFTSYMMQWYKQAPGQRLBMMGSLDPSDSTNNY 79
DB 1 QVQVIVSGAIVKQKPGASVSKASGTTFTSYMMQWYKQAPGQRLBMMGSLDPSDSTNNY 60
QY 80 NOKPKGKATLTVPDPSASTAYMELSLRSEPTAVYYCARNRDYSNNM---YFDVWGEGTLV 136
DB 61 NOKPKGKATLTVPDPSASTAYMELSLRSEPTAVYYCARNRDYSNNM---YFDVWGEGTLV 120
QY 137 TVSSASTGKQSVPLAPSSKTSSTGTAALGCLVQYFPEPVTVMNSGALTSVHTPEAV 196
DB 121 TVSSASTGKQSVPLAPSSKTSSTGTAALGCLVQYFPEPVTVMNSGALTSVHTPEAV 180
QY 197 LQSSGLYSLSSVTVVPSLSLGTQYICNVNHNKPSNTKVDKRVKPSCDKTHTCPCPAPB 256
DB 181 LQSSGLYSLSSVTVVPSLSLGTQYICNVNHNKPSNTKVDKRVKPSCDKTHTCPCPAPB 240
QY 257 ILGGPSVFLFPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNMYVYDQVGEVHNAAKTRRE 316

DB 241 ILGGPSVFLFPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNMYVYDQVGEVHNAAKTRRE 300
QY 317 EQYNSTTRVSVTLVHODPLNGKRYCKVSNKALPAPIERTISKAGQPREPQVYTLPP 376
DB 301 EQYNSTTRVSVTLVHODPLNGKRYCKVSNKALPAPIERTISKAGQPREPQVYTLPP 360
QY 377 SREBMTNVOVSLTCLVGFYPSDIAVEMESNGOPENNKTTPVLDSDGSFPLXSKLTVD 436
DB 361 SREBMTNVOVSLTCLVGFYPSDIAVEMESNGOPENNKTTPVLDSDGSFPLXSKLTVD 420
QY 437 KSRWQGNVFSQSVMEALHNHYTQKSLSLSPGK 470
DB 421 KSRWQGNVFSQSVMEALHNHYTQKSLSLSPGK 454

Search completed: February 20, 2004, 13:35:04
Job time: 16.5872 secs

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GenCore version 5.1.6
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Run on: February 20, 2004, 13:21:02 (without alignments)
2761.047 Million cell updates/sec

perfect
sequence:

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 20330222
 Using chosen parameters: 801455

Minimum DB seq length: 0

Post-processing:	Minimum Match	0%
	Maximum Match	100%

Maximum Macos 45 summaries
Listing first

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1: /cgm_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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4:  /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB_pdp.*
5:  /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCONB_pdp.*
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8:  /cgn2_6/ptodata/1/pubpaa/US09B_PUBCONB_pdp.*
9:  /cgn2_6/ptodata/1/pubpaa/US09C_PUBCONB_pdp.*
10: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB_pdp.*
11: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCONB_pdp.*
12: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCONB_pdp.*
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18: /score_17
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SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	2515	100.0	470	12	US-10-384-933-89	Sequence 89, App1
2	2515	100.0	470	15	US-10-216-484-88	Sequence 89, App1
3	2504	99.6	470	12	US-10-384-933-117	Sequence 117, App
4	2504	99.6	470	15	US-10-216-484-117	Sequence 117, App
5	2501	99.4	470	15	US-10-384-933-143	Sequence 143, App
6	2501	99.4	470	12	US-10-216-484-143	Sequence 143, App
7	2501	99.4	470	15	US-10-384-933-145	Sequence 145, App
8	2499	99.4	470	12	US-10-216-484-145	Sequence 145, App
9	2499	99.4	470	15	US-10-384-933-147	Sequence 147, App
10	2498	99.3	470	12	US-10-216-484-147	Sequence 147, App
11	2485	98.8	470	15	US-10-384-933-157	Sequence 157, App
12	2485	98.8	470	12	US-10-216-484-157	Sequence 157, App
13	2348.5	92.7	731	10	US-03-825-012-46	Sequence 46, App1
14	2330.5	92.7	741	10	US-03-825-012-55	Sequence 55, App
15	2345.5	92.5	729	10	US-03-825-012-52	Sequence 52, App

15	2325.5	92.5	73.9	10	US-09-825-012-61
16	2319.5	92.2	73.0	10	US-09-825-012-48
17	2319.5	92.6	74.0	10	US-09-825-012-58
18	2371.5	90.6	46.9	12	US-10-377-121-18
19	2272.5	90.6	46.9	12	US-10-377-121-22
20	2272.5	90.0	47.2	12	US-10-155-006-43
21	2263	90.4	47.6	12	US-10-225-108A-16
22	2248	89.4	47.6	12	US-10-461-148-9
23	2248	89.2	47.6	12	US-09-747-669-3
24	2244	89.2	47.6	15	US-10-290-703-3
25	2244	89.2	46.7	12	US-10-353-708-47
26	2242.5	89.2	46.7	12	US-10-353-708-47
27	2242.5	89.2	46.7	12	US-10-353-708-59
28	2242.5	89.2	46.7	12	US-10-171-452A-41
29	2242.5	89.2	46.7	15	US-10-171-452A-47
30	2242.5	89.2	46.7	15	US-10-111-452A-59
31	2242.5	89.2	46.7	15	US-10-111-452A-59
32	2239.5	89.0	46.7	12	US-10-353-708-53
33	2239.5	89.0	46.7	15	US-10-111-452A-53
34	2237	88.9	47.6	12	US-10-409-938-15
35	2231.5	88.7	44.8	12	US-10-378-567-2
36	2209.5	87.9	44.8	12	US-10-353-708-48
37	2209.5	87.9	44.8	12	US-10-353-708-60
38	2209.5	87.9	44.8	15	US-10-171-452A-40
39	2209.5	87.9	44.8	15	US-10-171-452A-60
40	2209.5	87.5	44.8	12	US-10-104-074-3229
41	2206.5	87.5	44.8	12	US-10-353-708-42
42	2206.5	87.7	44.8	12	US-10-353-708-54
43	2206.5	87.7	44.8	15	US-10-171-452A-42
44	2206.5	87.7	44.8	15	US-10-171-452A-54
45	2196	87.3	47.2	12	US-10-159-006-30

ALIGNMENTS

RESULT 1
US-10-384-933-89
Application US/10384933

Sequence 85, ~~APR 1971~~
Publication No. US20030170817A1

GENERAL INFORMATION:
No. US20030170817A1ufusa

APPLICANT: SELLZAWA, Hide
APPLICANT: HARYAMA, Hide

APPLICANT: Nakahara, Kaori
APPLICANT: Thoko

APPLICANT: Tamaki, Ikuko
Takahashi, Toh

APPLICANT: Anti-H

FILE REFERENCE: 980126CJP/

CURRENT FILING DATE: 2003

PRIOR APPLICATION NUMBER: 3000-0

PRIOR FILING DATE: 2000
PRIORITY APPLICATION NUMBER:

PRIOR FILING DATE: EARLIER

NUMBER OF SEQ ID NOS: 163

; SEQ ID NO 89
LENGTH: 470

TYPE: PRT

ORGANISM: Artificial

FEATURE: Desc:
OTHER INFORMATION: Desc:

OTHER INFORMATION: CHA

US-10-384-933-89

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Best Local Similarity

Matches 4/0/

1 MGWSCILFLVA
QY

1 MGWSCI LFLVAT

DB

61 GÖRLENGER
QY

100

Db 61 GORLEMMGEIDPSDYNNQKFKGKATLTVDTASATAWELSLRSEDTAVVYCARND 120
QY 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVNDYFPEPVVS 180
Db 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVNDYFPEPVVS 180
QY 181 WNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKVDKVER 240
Db 181 WNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKVDKVER 240
QY 241 KSCDKHTCPCPAPBELLGSPVFLPPEKPDITLMSRTPEVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLPPEKPDITLMSRTPEVTCVVDVSHEDDEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
QY 361 KAKQPREPOVYTLPSREEMTKNOVSLTCLVGFYPSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPSREEMTKNOVSLTCLVGFYPSDIAVEMESNGOPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDSKRWQGNVFCSVWHEALHNHYTKSLSPGK 470
Db 421 LDSDGSFFLYSKLTVDSKRWQGNVFCSVWHEALHNHYTKSLSPGK 470

RESULT 2

US-10-216-484-89
; Sequence 89, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89

Query Match 100.0%; Score 2515; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 2,5e-16;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
Db 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
QY 61 GORLEMMGEIDPSDYNNQKFKGKATLTVDTASATAWELSLRSEDTAVVYCARND 120
Db 61 GORLEMMGEIDPSDYNNQKFKGKATLTVDTASATAWELSLRSEDTAVVYCARND 120
QY 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVNDYFPEPVVS 180
Db 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVNDYFPEPVVS 180
QY 181 WNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKVDKVER 240
Db 181 WNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKVDKVER 240

Db 181 WNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKVDKVER 240
QY 241 KSCDKHTCPCPAPBELLGSPVFLPPEKPDITLMSRTPEVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLPPEKPDITLMSRTPEVTCVVDVSHEDDEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
QY 361 KAKQPREPOVYTLPSREEMTKNOVSLTCLVGFYPSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPSREEMTKNOVSLTCLVGFYPSDIAVEMESNGOPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDSKRWQGNVFCSVWHEALHNHYTKSLSPGK 470
Db 421 LDSDGSFFLYSKLTVDSKRWQGNVFCSVWHEALHNHYTKSLSPGK 470

RESULT 3

US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117

Query Match 99.6%; Score 2504; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.4e-16;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
Db 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
QY 61 GORLEMMGEIDPSDYNNQKFKGKATLTVDTASATAWELSLRSEDTAVVYCARND 120
Db 61 GORLEMMGEIDPSDYNNQKFKGKATLTVDTASATAWELSLRSEDTAVVYCARND 120
QY 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVNDYFPEPVVS 180
Db 121 YSNMWYDVWMBEGTLVTVSSASTKGPVFLPAPSKSTSGGTALGCLVNDYFPEPVVS 180
QY 181 WNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKVDKVER 240
Db 181 WNSGALTSVHTPAVLOSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKVDKVER 240
QY 241 KSCDKHTCPCPAPBELLGSPVFLPPEKPDITLMSRTPEVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLPPEKPDITLMSRTPEVTCVVDVSHEDDEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODWLNKGRKCKVSNKALPAIEKTIS 360

Mon Feb 23 07:54:43 2004

US-09-499-662-89.rapb

Page 3

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Qy 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Qy 421 LDSGSEFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
RESULT 4
US-10-216-484-117
; Sequence 117, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-117
Query Match 99.6%; Score 2504; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1,4e-165;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 MGSCTILFLVATATGVSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQKAP 60
Db 1 MGSCTILFLVATATGVSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQKAP 60
Qy 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Db 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Qy 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Db 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Qy 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Db 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Qy 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Db 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Qy 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Qy 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Qy 421 LDSGSEFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470

Db 421 LDSGSEFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
RESULT 5
US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-143
Query Match 99.4%; Score 2501; DB 12; Length 470;
Best Local Similarity 99.4%; Pred. No. 2,3e-165;
Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 1 MGSCTILFLVATATGVSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQKAP 60
Db 1 MGSCTILFLVATATGVSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMOMVQKAP 60
Qy 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Db 61 GQRLMGEIDPSDSTYNOKFKGKATLVDTASTAYMELSLRSEDTAVYCARND 120
Qy 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Db 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Qy 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Db 121 YSNMYFDWGGTGLTVTSASATKGPVPLAPSSKSTSGTALGCLVNDYFPEPVTS 180
Qy 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Db 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Qy 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Db 181 WNSGALTSGVHTFPAYLQSSGLYSVYTPVSSSLGTQTYICNVNHPKSNKVDKVEP 240
Qy 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGPSVFLFPPPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKREBEQNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Qy 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Db 361 KAKGPREPOVYTLPPSRBEEMTKNOVSLTCLVKGYFSPSDIAVWESNGOPENNYKTTTPV 420
Qy 421 LDSGSEFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
Db 421 LDSGSEFLYSKLTVDKSRMOQGNVSCSVMEHALHNHYTKSLSPGK 470
RESULT 6
US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:

; APPLICANT: Serizawa, No. US20030103976A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CJP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 143
 ; LENGTH: 470
 ; TYPE: PR1
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-216-484-143

Query Match 99.4%; Score 2501; DB 15; Length 470;
 Best Local Similarity 99.4%; Pred. No. 2,36-165;
 Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYSFTSYMMQWVKQAP 60
 DB 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYSFTSYMMQWVKQAP 60
 QY 61 GQRLMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
 DB 61 GQRLMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
 QY 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 DB 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 QY 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 DB 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 QY 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNHPSTNTKDKVEP 240
 DB 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNHPSTNTKDKVEP 240
 QY 241 KSCDKHTTCCPCAPPELLGGPSVFLPPEPKDITLMSRTEPVTCVVVDVSHEDPEVKFNW 300
 DB 241 KSCDKHTTCCPCAPPELLGGPSVFLPPEPKDITLMSRTEPVTCVVVDVSHEDPEVKFNW 300
 QY 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 DB 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 QY 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 DB 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 QY 361 KAKQPREPOVYTLPSRREMTKNQVSLTCLVGFYPSDIAVWESNGQPENNYKTPPV 420
 DB 361 KAKQPREPOVYTLPSRREMTKNQVSLTCLVGFYPSDIAVWESNGQPENNYKTPPV 420
 QY 421 LDSGSEFLYSKLTVDKSRMQQGVFSCSYVMEALHNHYTQKSLSLSPGK 470
 DB 421 LDSGSEFLYSKLTVDKSRMQQGVFSCSYVMEALHNHYTQKSLSLSPGK 470

RESULT 7
 US-10-384-933-145
 ; Sequence 145, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CJP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 145
 ; LENGTH: 470
 ; TYPE: PR1
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 ; US-10-384-933-145

Query Match 99.4%; Score 2499; DB 12; Length 470;
 Best Local Similarity 99.1%; Pred. No. 3,26-165;
 Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYSFTSYMMQWVKQAP 60
 DB 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYSFTSYMMQWVKQAP 60
 QY 61 GQRLMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
 DB 61 GQRLMMGEIDPSDSTNNQKFGKATLTVDTSASTAYMELSLRSEDPAVYYCAARRD 120
 QY 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 DB 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 QY 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 DB 121 YSNWYVDWGEGLTVYSASTKGPVFLAPSSKSTSGGTALGCLVDPPEPTVS 180
 QY 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNHPSTNTKDKVEP 240
 DB 181 MNSGALTSVHTPEPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNHPSTNTKDKVEP 240
 QY 241 KSCDKHTTCCPCAPPELLGGPSVFLPPEPKDITLMSRTEPVTCVVVDVSHEDPEVKFNW 300
 DB 241 KSCDKHTTCCPCAPPELLGGPSVFLPPEPKDITLMSRTEPVTCVVVDVSHEDPEVKFNW 300
 QY 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 DB 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 QY 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 DB 301 YVDGEVHNAKTPREQYNSTRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIETKIS 360
 QY 361 KAKQPREPOVYTLPSRREMTKNQVSLTCLVGFYPSDIAVWESNGQPENNYKTPPV 420
 DB 361 KAKQPREPOVYTLPSRREMTKNQVSLTCLVGFYPSDIAVWESNGQPENNYKTPPV 420
 QY 421 LDSGSEFLYSKLTVDKSRMQQGVFSCSYVMEALHNHYTQKSLSLSPGK 470
 DB 421 LDSGSEFLYSKLTVDKSRMQQGVFSCSYVMEALHNHYTQKSLSLSPGK 470

RESULT 8
 US-10-216-484-145
 ; Sequence 145, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CJP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216,484
 ; CURRENT FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 145
 ; LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-145

Query Match 99.4%; Score 2499; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 3,26-155;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
DB 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
QY 61 GQLEWMGELIDPSSTYNNOKFKGKATLTVDTSASTAYMELSLRSEDPAVYVCARRD 120
DB 61 GQLEWMGELIDPSSTYNNOKFKGKATLTVDTSASTAYMELSLRSEDPAVYVCARRD 120
QY 121 YSNMWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
DB 121 YSNMWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSVHTPAPAVLQSSGLYSLSGVTVVPSLSLGTQYICNVNKPSTKVDKVEP 240
DB 181 WNSGALTSVHTPAPAVLQSSGLYSLSGVTVVPSLSLGTQYICNVNKPSTKVDKVEP 240
QY 241 KSCDKHTCTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPADIETIS 360
DB 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPADIETIS 360
QY 361 KAKQPREPQVYTLPSREEMTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYKTTIPV 420
DB 361 KAKQPREPQVYTLPSREEMTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYKTTIPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 470

RESULT 9

US-10-384-933-147
Sequence 147, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-147

Query Match 99.3%; Score 2498; DB 12; Length 470;

Best Local Similarity 99.1%; Pred. No. 3,86-155;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
DB 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
QY 61 GQLEWMGELIDPSSTYNNOKFKGKATLTVDTSASTAYMELSLRSEDPAVYVCARRD 120
DB 61 GQLEWMGELIDPSSTYNNOKFKGKATLTVDTSASTAYMELSLRSEDPAVYVCARRD 120
QY 121 YSNMWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
DB 121 YSNMWYDVWGEGLTVTVSSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSVHTPAPAVLQSSGLYSLSGVTVVPSLSLGTQYICNVNKPSTKVDKVEP 240
DB 181 WNSGALTSVHTPAPAVLQSSGLYSLSGVTVVPSLSLGTQYICNVNKPSTKVDKVEP 240
QY 241 KSCDKHTCTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPADIETIS 360
DB 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMNGEKYCKVSNKALPADIETIS 360
QY 361 KAKQPREPQVYTLPSREEMTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYKTTIPV 420
DB 361 KAKQPREPQVYTLPSREEMTKNQVSLTCLVKGFYPSDIAVEESNGQPENNYKTTIPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQQGNVFCSVWHEALHNHYTQKSLSLSPGK 470

RESULT 10

US-10-216-484-147
Sequence 147, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-147

Query Match 99.3%; Score 2498; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 3,86-155;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
DB 1 MGNSCIIPLVATATGHSQVQLVQSGAEYKKPKASVYVSCSKASGYFTSYMMQWVQAP 60
QY 61 GQLEWMGELIDPSSTYNNOKFKGKATLTVDTSASTAYMELSLRSEDPAVYVCARRD 120

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Db 61 GGGLEMMGEIDPDSYNNYQKFKGKATLTVDTSTSTAYMELSLRSEDYAVVYCANRD 120
Qy 121 YSNMWYFDWVGEGLTVTVSSASTKGPSVFLPAPLAPSKSTSGGTALGCLVNDYFPEPTVS 180
Db 121 YSNMWYFDWVGEGLTVTVSSASTKGPSVFLPAPLAPSKSTSGGTALGCLVNDYFPEPTVS 180
Qy 181 WNSGALTSVHTTTPAVLQSSGLYSLSVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEP 240
Db 181 WNSGALTSVHTTTPAVLQSSGLYSLSVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEP 240
Qy 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGVEVHNAKTKRREQYNSYTRVSVLTVLHODMNLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKRREQYNSYTRVSVLTVLHODMNLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTTPV 420
Qy 421 LQSDGSEFLYSKLTVDKSRWQQGNVSCSWHEALHNNHYTKSLSPGK 470
Db 421 LQSDGSEFLYSKLTVDKSRWQQGNVSCSWHEALHNNHYTKSLSPGK 470
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RESULT 11

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US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157
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Query Match 98.8%; Score 2485; DB 12; Length 470;

Best Local Similarity 98.5%; Pred. No. 3e-164;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMQMVRQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMQMVRQAP 60
Qy 61 GORLEMMGEIDPDSYNNYQKFKGKATLTVDTSTSTAYMELSLRSEDYAVVYCANRD 120
Db 61 GORLEMMGEIDPDSYNNYQKFKGKATLTVDTSTSTAYMELSLRSEDYAVVYCANRD 120
Qy 121 YSNMWYFDWVGEGLTVTVSSASTKGPSVFLPAPLAPSKSTSGGTALGCLVNDYFPEPTVS 180
Db 121 YSNMWYFDWVGEGLTVTVSSASTKGPSVFLPAPLAPSKSTSGGTALGCLVNDYFPEPTVS 180
Qy 181 WNSGALTSVHTTTPAVLQSSGLYSLSVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEP 240
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Db 181 WNSGALTSVHTTTPAVLQSSGLYSLSVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEP 240
Qy 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGVEVHNAKTKRREQYNSYTRVSVLTVLHODMNLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKRREQYNSYTRVSVLTVLHODMNLNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTTPV 420
Qy 421 LQSDGSEFLYSKLTVDKSRWQQGNVSCSWHEALHNNHYTKSLSPGK 470
Db 421 LQSDGSEFLYSKLTVDKSRWQQGNVSCSWHEALHNNHYTKSLSPGK 470
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RESULT 12

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US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157
```

Query Match 98.8%; Score 2485; DB 15; Length 470;

Best Local Similarity 98.5%; Pred. No. 3e-164;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMQMVRQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMQMVRQAP 60
Qy 61 GORLEMMGEIDPDSYNNYQKFKGKATLTVDTSTSTAYMELSLRSEDYAVVYCANRD 120
Db 61 GORLEMMGEIDPDSYNNYQKFKGKATLTVDTSTSTAYMELSLRSEDYAVVYCANRD 120
Qy 121 YSNMWYFDWVGEGLTVTVSSASTKGPSVFLPAPLAPSKSTSGGTALGCLVNDYFPEPTVS 180
Db 121 YSNMWYFDWVGEGLTVTVSSASTKGPSVFLPAPLAPSKSTSGGTALGCLVNDYFPEPTVS 180
Qy 181 WNSGALTSVHTTTPAVLQSSGLYSLSVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEP 240
Db 181 WNSGALTSVHTTTPAVLQSSGLYSLSVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEP 240
Qy 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGVEVHNAKTKRREQYNSYTRVSVLTVLHODMNLNGEKYCKVSNKALPAPIEKTIS 360
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Db 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LQSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTQKSLSLSPGK 470
Db 421 LQSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTQKSLSLSPGK 470

RESULT 13

US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HmFgl heavy chain - DNaee I fusion
US-09-825-012-46

Query Match 92.7%; Score 2330.5; DB 10; Length 731;
Best Local Similarity 92.3%; Pred. No. 2.6e-153;

Matches 434; Conservative 21; Mismatches 12; Indels 3; Gaps 1;

Qy 1 MGMSCTILFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKAAGYFTSYMMQWVKQAP 60
Db 1 MGMSCTILFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKAAGYFTSYMMQWVKQAP 60
Qy 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDPAVYYCAARNR 120
Db 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDPAVYYCAARNR 120
Qy 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTALAAGLVNDYPEPTVS 180
Db 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTALAAGLVNDYPEPTVS 180
Qy 181 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 240
Db 181 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 240
Qy 178 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 237
Db 178 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 237
Qy 241 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 238 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Qy 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LQSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTQKSLSLSPGK 470
Db 421 LQSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTQKSLSLSPGK 467

RESULT 14

US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HmFgl heavy chain - DNaee I fusion
US-09-825-012-55

Query Match 92.7%; Score 2330.5; DB 10; Length 741;
Best Local Similarity 92.3%; Pred. No. 2.6e-153;

Matches 434; Conservative 21; Mismatches 12; Indels 3; Gaps 1;

Qy 1 MGMSCTILFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKAAGYFTSYMMQWVKQAP 60
Db 1 MGMSCTILFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKAAGYFTSYMMQWVKQAP 60
Qy 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDPAVYYCAARNR 120
Db 61 GQRLMNGEIDPSDSTNTNOKRKAKTLTVDTASATYAMELSLRSEDPAVYYCAARNR 120
Qy 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTALAAGLVNDYPEPTVS 180
Db 121 YSNMWYFDVWGEGLTVVSSASTKGPSVFPLAPSSKSTSGGTALAAGLVNDYPEPTVS 180
Qy 181 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 240
Db 181 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 240
Qy 178 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 237
Db 178 MNSGALTSVHTPRPAVLQSSGLYSLSGVTVVPSSSLGTQTYICNVNKPSTNTKDKVEP 237
Qy 241 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 238 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTTCCPCAPRLGSPSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNW 297
Qy 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTPRREQVNSTYTRVSVLTVLHODMNGEKYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LQSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTQKSLSLSPGK 470
Db 421 LQSDGSFPLYSKLTVDKSRWQGNVPSCSVMHEALHNHYTQKSLSLSPGK 467

RESULT 15

US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: GB 0008049.9
 ; PRIOR FILING DATE: 2000-04-03
 ; NUMBER OF SEQ ID NOS: 102
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 52
 ; LENGTH: 729
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNasee I fusion
 US-09-825-012-52

Query Match 92.5%; Score 2325.5; DB 10; Length 729;
 Best Local Similarity 92.3%; Pred. No. 5.7e-153;
 Matches 433; Conservative 21; Mismatches 12; Indels 3; Gaps 1;

QY	1	MGWSCIILFLVATATCGVHSOVOLVOSGAEVKKRGASVKSCKRSGVTFPTSYMMQWKOAP	60
DB	1	MGWSCIILFLVATATCGVHSOVOLVOSGAEVKKRGASVKSCKRSGVTFPTSYMMQWKOAP	60
QY	61	GORLEWMEHIDPSDSYTNYNOKFKGKATLVDTASTAYWELSLRSEDTAVYYCARND	120
DB	61	GORLEWMEHIDPSDSYTNYNOKFKGKATLVDTASTAYWELSLRSEDTAVYYCARND	120
QY	121	YSNNMYPDVWGEHGLTVVSSASTKGPVPLAPSSKSTSGGTALGCLYKDYFPEPVTVS	180
DB	121	YSNNMYPDVWGEHGLTVVSSASTKGPVPLAPSSKSTSGGTALGCLYKDYFPEPVTVS	180
QY	181	WNSGALTSQVHTFPNVLQSSGLYSLSVYTVPESSLGQTQYICNVNHPKSNKTVDKRVEP	240
DB	181	WNSGALTSQVHTFPNVLQSSGLYSLSVYTVPESSLGQTQYICNVNHPKSNKTVDKRVEP	240
QY	241	KSCDKHTTCPCPAPABELLGGPSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW	300
DB	241	KSCDKHTTCPCPAPABELLGGPSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW	300
QY	298	YVDGVEVHNAAKTPREBOYNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKITIS	360
DB	298	YVDGVEVHNAAKTPREBOYNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKITIS	360
QY	361	KAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFPSDIAVWESNNGQPENNYKTTTPV	420
DB	361	KAKGQPREPQVYTLPPSRREEMTKNQVSLTCLVKGFPSDIAVWESNNGQPENNYKTTTPV	420
QY	421	LDSDGSFPLYSKLTVDKSRMQQGNVFCSCVMHEALNHYTOKSLSLSPG	469
DB	421	LDSDGSFPLYSKLTVDKSRMQQGNVFCSCVMHEALNHYTOKSLSLSPG	469
QY	469	LDSDGSFPLYSKLTVDKSRMQQGNVFCSCVMHEALNHYTOKSLSLSPG	466
DB	469	LDSDGSFPLYSKLTVDKSRMQQGNVFCSCVMHEALNHYTOKSLSLSPG	466

Search completed: February 20, 2004, 14:25:32
 Job time : 36.6422 secs

Mon Feb 23 07:54:31 2004

US-09-499-662-107.rat

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-107

Perfect score: 1 MERTDTLLMVLWLVGSGTGT.....EVTNOLGSLSPVTKSFRNRGEC 238
Sequence:

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

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- 2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
- 3: /cgn2_6/prodata/1/1aa/6A.COMB.pep:*
- 4: /cgn2_6/prodata/1/1aa/6B.COMB.pep:*
- 5: /cgn2_6/prodata/1/1aa/PCITUS.COMB.pep:*
- 6: /cgn2_6/prodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1050	84.5	218	5 PCT-US96-13152-2	Sequence 2, Appl
2	1038	83.6	240	4 US-09-301-593-36	Sequence 36, Appl
3	1036	83.4	218	2 US-08-887-352B-13	Sequence 13, Appl
4	1036	83.4	218	2 US-08-468-151-9	Sequence 9, Appl
5	1036	83.4	218	3 US-09-109-207C-13	Sequence 13, Appl
6	1036	83.4	218	3 US-09-296-005-13	Sequence 9, Appl
7	1036	83.4	218	4 US-08-466-163B-9	Sequence 1, Appl
8	1013	81.6	218	3 US-09-282-505-1	Sequence 1, Appl
9	1013	81.6	218	3 US-09-054-255-1	Sequence 1, Appl
10	1013	81.6	218	4 US-09-282-846-1	Sequence 1, Appl
11	1013	81.6	218	4 US-09-680-145-1	Sequence 15, Appl
12	1010	81.3	218	2 US-08-887-352B-15	Sequence 17, Appl
13	1010	81.3	218	2 US-08-887-352B-17	Sequence 19, Appl
14	1010	81.3	218	2 US-08-887-352B-19	Sequence 24, Appl
15	1010	81.3	218	2 US-08-887-352B-24	Sequence 15, Appl
16	1010	81.3	218	3 US-09-109-207C-15	Sequence 17, Appl
17	1010	81.3	218	3 US-09-109-207C-17	Sequence 19, Appl
18	1010	81.3	218	3 US-09-109-207C-19	Sequence 24, Appl
19	1010	81.3	218	3 US-09-109-207C-24	Sequence 17, Appl
20	1010	81.3	218	3 US-08-286-005-15	Sequence 15, Appl
21	1010	81.3	218	3 US-08-286-005-17	Sequence 19, Appl
22	1010	81.3	218	3 US-08-286-005-19	Sequence 24, Appl
23	979.5	78.9	241	2 US-07-916-098A-56	Sequence 56, Appl
24	976.5	78.6	239	3 US-08-487-550-6	Sequence 6, Appl
25	976.5	78.6	239	3 US-09-526-098-6	Sequence 6, Appl
26	976.5	78.6	234	4 US-09-049-672A-6	Sequence 6, Appl
27	976	78.6	234	3	

28	976	78.6	234	4 US-09-740-002-24	Sequence 24, Appl
29	966.5	77.8	235	1 US-08-276-852-153	Sequence 153, App
30	966.5	77.8	235	1 US-08-899-575-153	Sequence 153, App
31	966.5	77.8	235	1 US-08-899-575-153	Sequence 153, App
32	966.5	77.8	235	5 PCT-US95-08743-133	Sequence 25, Appl
33	958.5	77.2	233	3 US-07-934-373C-25	Sequence 25, Appl
34	958.5	77.2	233	3 US-08-437-642B-25	Sequence 25, Appl
35	958.5	77.2	233	4 US-08-146-206C-25	Sequence 25, Appl
36	958.5	77.2	233	5 PCT-US93-07832-25	Sequence 25, Appl
37	957.5	77.1	235	3 US-09-171-945-97	Sequence 97, Appl
38	956.5	77.0	214	2 US-08-480-753-6	Sequence 6, Appl
39	956.5	77.0	214	3 US-09-041-889-11	Sequence 11, Appl
40	956.5	77.0	214	3 US-08-837-058-11	Sequence 11, Appl
41	956.5	77.0	214	3 US-09-417-264-11	Sequence 11, Appl
42	955	76.9	214	2 US-07-934-373C-39	Sequence 39, Appl
43	955	76.9	214	3 US-08-437-642B-39	Sequence 39, Appl
44	955	76.9	214	5 PCT-US93-07832-39	Sequence 39, Appl
45	955	76.9	236	1 US-08-157-101A-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fail
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felte & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-3884
TELEFAX: (212) 688-9200
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 84.5%; Score 1050; DB 5; Length 218;
Best local similarity 91.3%; Pred. No. 3.1e-81; Indels 0; Gaps 0;
Matches 199; Conservative 10; Mismatches 9;

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QY      21 EIVTQSPGTLISLSPGERATLSCAKSQSVYDGDSTYNNWYQOKPGAPRLIIYAASNLES 80
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      1 DIQMTQSPSSLSASVGRVITITCKASQGVDDYDGSYNNWYQOKPGAKPKLIIYAASNLES 60
QY      81 GIPDRFSGSGSGTDFTLTLSRLPEDEPAVYVYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      61 GIPDRFSGSGSGTDFTLTLSRLPEDEPAVYVYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY      141 IFPPSDQLKSGTASVCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSL 200
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      121 IFPPSDQLKSGTASVCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSL 180
QY      201 STLTLKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      181 STLTLKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

```

```

RESULT 2
US-09-301-593-36
; Sequence 36, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John E.
; APPLICANT: Garin-Chesa, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Leger, Olivier
; APPLICANT: Saldanha, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: PAP specific Antibody with Improved Productibility
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301.593A
; EARLIER FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 36
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-36

```

```

Query Match      83.6%; Score 1038; DB 4; Length 240;
Best Local Similarity 83.3%; Pred. No. 3.6e-80;
Matches 200; Conservative 19; Mismatches 19; Indels 2; Gaps 1;

QY      1 METDTLLWVLLWVPGSTGEIVLTQSPGTLISLSPGERATLSCAKSQSVYDGD--SYNN 58
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      1 METDTLLWVLLWVPGSSGDIWMTQSPDSLAVSLGERATINCKSSQGLVSRNQKYLTA 60
QY      59 WYQOKPGAPRLIIYAASNLESIGIPDRFSGSGSGTDFTLTLSRLPEDEPAVYVYCCQSNED 118
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      61 WYQOKPGAPRLIIYFMASTRSGVDRSGSGFGDFTLTLSRLQAEIVAAVYVYCCQYRSY 120
QY      119 PRTFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYPREAKVQWKVDNAL 178
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      121 PRTFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYPREAKVQWKVDNAL 180
QY      179 QSGNSQESVTEQDSKDSYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      181 QSGNSQESVTEQDSKDSYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 240

```

```

RESULT 3
US-08-887-352B-13
; Sequence 13, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of

```

```

; TITLE OF INVENTION: Improving polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-887-352B-13

```

```

Query Match      83.4%; Score 1036; DB 2; Length 218;
Best Local Similarity 89.9%; Pred. No. 4.8e-80;
Matches 196; Conservative 12; Mismatches 10; Indels 0; Gaps 0;

QY      21 EIVTQSPGTLISLSPGERATLSCAKSQSVYDGDSTYNNWYQOKPGAPRLIIYAASNLES 80
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      1 DIQMTQSPSSLSASVGRVITITCKASQGVDDYDGSYNNWYQOKPGAKPKLIIYAASNLES 60
QY      81 GIPDRFSGSGSGTDFTLTLSRLPEDEPAVYVYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 140
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      61 GIPDRFSGSGSGTDFTLTLSRLPEDEPAVYVYCCQSNEDPRTFGQGTLEIKRTVAAPSVF 120
QY      141 IFPPSDQLKSGTASVCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSL 200
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      121 IFPPSDQLKSGTASVCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSL 180
QY      201 STLTLKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      181 STLTLKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

```

```

RESULT 4
US-08-466-151-9
; Sequence 9, Application US/08466151
; Patent No. 6037453
; GENERAL INFORMATION:
; APPLICANT: Jardiou, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS

```



```

; SEQ ID NO 13
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial

```

RESULT 7
US-08-466-163B-9
; Sequence 9, Application US/08466163B
; Patent No. 6329509

```

? GENERAL INFORMATION:
? APPLICANT: Jardieu, Paula M.
? APPLICANT: Presta, Leonard G.
? TITLE OR INVENTION: Immunoglobulin Variants
? FILE REFERENCE: P0718P2C1D1
? CURRENT APPLICATION NUMBER: US/08/466,163B
? CURRENT FILING DATE: 1995-06-06
? PRIOR APPLICATION NUMBER: US 08/405,617
? PRIOR FILING DATE: 1995-03-15
? PRIOR APPLICATION NUMBER: US 08/185,899
? PRIOR FILING DATE: 1994-01-26
? PRIOR APPLICATION NUMBER: US 07/879,495
? PRIOR FILING DATE: 1992-05-07
? PRIOR APPLICATION NUMBER: US 07/744,768
? PRIOR FILING DATE: 1991-06-14
? NUMBER OF SEQ ID NOS: 64
?
? SEQ ID NO 9
? LENGTH: 218
? TYPE: PRT
? ORGANISM: Artificial sequence
? FEATURE:
? OTHER INFORMATION: humanized mael, version 1, light chain
?
? US-08-466-163B-9

```

Query Match	83.4%	Score 1036	DB 4	Length 218
Best Local Similarity	89.9%	Pred. No. 4.8e-80		
Matches 196	Conservative 12	Mismatches 10	Indels 0	Gaps 0

```
09      21 EIVLTSPGTLSTSGERATLSCKASQSDVDGDSYNNMWYOOKPGOAPELLIIYAASNTLES 80
```

81 GIPDRFSGSGTDFTLTISRLPEPDAVYVYCOQSNEDPRTFGQTKLEIKRTVAAPSVP 140

Db 61 GVPSPRESGSGGCTDFTLTISLQPEDFATYYCQSHEDPYTPQGTAKVEIKRTVAAPSVF 120

Db 121 I P P S D E Q L K S G T A S V V C L I N F Y P R E A K V Q W K V D N A L Q S G N S Q S E V T E Q D S K D S T Y S L S 180

QY	201	STLTLSKADYEKKVYACEVTHQGLSSPVTSSFNRRGEC	238
Qb	181	STLTTSKADYEKKVYACEVTHQGLSSPVTSSFNRRGEC	218

DEPT. F. 6

US-09-282-505-1
: Sequence 1, Application US/09282505A
: Patent No. 6194551

```

; GENERAL INFORMATION:
; APPLICANT: Esche Ekinadese Idusogie et al.
; TITLE OF INVENTION: Polyurethide Variants

```

```

; FILE REFERENCE: P126R1
; CURRENT APPLICATION NUMBER: US/09/282,505A
; CURRENT FILING DATE: 1999-03-31

```

```

; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218

```

```

;
; TYPE: PRI
;
; ORGANISM: Artificial Sequence
;
; FEATURE:
;

```

```

;
; NAME/KEY: Artificial Sequence
;
; LOCATION: 1-218
;
; OTHER INFORMATION: Sequence is completely synthesized
;

```

US-09-282-505-1

Query match	81.66;	score 1013;	DB 3;	length 218;
Best local similarity	88.18;	Pred. No. 4.1e-78;		
Matches 192;	Conservative 14;	Mismatches 12;	Indels 0;	Gaps 0

```

09      21 EIVLTSPGTLSPGERATLSCKRSQSVDPDGSYNNMWYQOKRGQAPBLIIYAASNTLES 80
      .  :| | | | | . :| | | | | :| | | | | :| | | | | :| | | | | :| | | | |

```

```

Db      1 DIDLQSPSSLSASVGDRTIITCRASKPKPVDEGSGSVMVMYQKRGKAPKLLIYAASVLES 60
Qy      81 GIDPRFGSGSGSTDFLTITSLRLEPEDFAVITYCOOSNEDPRTFGGQTKLEIKRTYAASVF 140
Db      61 GVSRRFSGSGSGSTDFLTITSLRLEPEDFAVITYCOOSHEDEPYTFGGQTKLEIKRTYAASVF 120
Qy      141 IFFPSSEQIKSGFASVYCLNNFYPREAKVQKYNALQSGNSQSVYEDSKDSTYSLS 200
Db      121 IFFPSSEQLKSGFASVYCLNNFYPREAKVQKYNALQSGNSQSVYEDSKDSTYSLS 180
Qy      201 STLLSKADYEKHKVYACEVTHQGLSSPYTKSFNNRGECC 238
Db      181 STLLSKADYEKHKVYACEVTHQGLSSPYTKSFNNRGECC 218

```

RESULT 9

; Sequence 1, Application US/09054255
; Patent No. 6242195
; GENERAL INFORMATION.

```

; APPLICANT: Esche Ekinaduse Idusogie et al.
; TITLE OF INVENTION: Polypeptide Variants
; FTE REFERENCE: p1266

```

```

: CURRENT APPLICATION NUMBER: US/09/054,255
:
: CURRENT FILING DATE: 1998-04-02
:
: NUMBER OF SEQ ID NOS.: 2
:

```

```

; SEQ ID NO 1
;
; LENGTH: 218
TVDF. DPT

```

```

;
; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: F27 anti-IgE antibody light chain
;

```

US-09-054-255-1	Qnerv March
A1.6*	Score 1013: DB 3: length 218:

Best Local Similarity 88.1%; Pred. NO. 4.1e-78;
Matches 192; Conservative 14; Mismatches 12; Indels 0; Gaps 0

Db 1 DIQTSPSSLSASVGDRTVITTRASKPVDGEGDSYMMWYQOKKQKAPKLLIYASTYLES 60

```

0Y      81 GIPDRFSGSGSTDTFTLTISRLSEPEDFAVYVYQQQSNEDPRTFGQGTLEIKRTVAAPSVF 140
:      :      :      :      :      :      :      :      :      :      :      :

```

141 IFPPSDQLKSGTASVCLINNFYBPBAKVOMKDNALQSGNCGESVTEBQDSKDYSL\$ 2000

Db 121 IFPPSDGLKSGTASVVCILNNFYBPREAKVQKVDNALQSGNSQESVTEQDSKDSTYSLS 180

DB 181 STLTSLKADYEKKVYACEVTHQGLSSPVTLSFNRGEC 218

RESULT 10

US 2010/0100000 A1
; Sequence 1, Application US/09282846
; Patent No. 6528624

APPLICANT: Esche Ekinadese Idusogie et al.
TITLE OF INVENTION: Polypeptide Variants

```

CURRENT APPLICATION NUMBER: US/09/282,846
CURRENT FILING DATE: 1999-03-31

```

```

; SEQ ID NO 1
;
; LENGTH: 218
;
;
;

```

```

;
; ORGANISM: Artificial Sequence
;
; FEATURE:
; NAME/DEF. 1..415:1313

```

LOCATION: 1-218

OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query Match	81.6%;	Score 1013;	DB 4;	Length 218;
Best Local Similarity	88.1%;	Pred. No. 4.1e-78;		
Matches 192;	Conservative 14;	Mismatches 12;	Indels 0;	Gaps 0;

[illegible]

RESULT 11
US-09-680-145-1

Query Match	81.6%	Score 1013	DB 4	Length 218
Best Local Similarity	88.1%	Pred. No. 4.1e-78		
Matches 192	Conservative 14	Mismatches 12	Indels 0	Gaps 0

```

QY 21 IIVLTQSGGTLISLSPGERATLSCAKASQSDVDYGDSIMNNYQQKRGQAPRLITYAANLES 80
Db 1 DIQLTQSSSSASVGDRTVITTCRKASKPYDGBEDSINNNYQQKPGKAPKLLITYAASYLES 60
QY 81 GIPDRFGSGSGSDTDTLTISRLEPEDFAVYYCCQSNEDRPTFGQTKLRKIRTVAAPSVF 140
Db 61 GVPSRFSGSGSDTDTLTISRLLQPEDFAVYYCCQSHEDYTFEGQTKRVEIKRTVAAPSVF 120
QY 141 IPPSDDEQLKSGTASVVCILNNFYPREAKYQKVDNALQSGNSQESVTEDEDSKDSTYSLS 200
Db 121 IPPSDDEQLKSGTASVVCILNNFYPREAKYQKVDNALQSGNSQESVTEDEDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPTTKSFNRGEC 238
Db 181 STLTLSKADYEKHKVYACEVTHQGLSSPTTKSFNRGEC 218

```

RESULT 12
US-08-887-352B-15
; Sequence 15, Application US/08887352B

Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Sveboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-15

Query Match	81.3%	Score 1010;	DB 2;	Length 218;
Best Local Similarity	87.6%;	Pred. No. 7.4e-78;		
Matches 191;	Conservative 15;	Mismatches 12;	Indels 0;	Gaps 0;

[illegible]

```

RESULT 13
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511
;
; GENERAL INFORMATION:
;
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
;
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
;
; NUMBER OF SEQUENCES: 26
;
; CORRESPONDENCE ADDRESS:
;
; ADDRESSEE: Genentech, Inc.
;
; STREET: 1 DNA Way
;
; CITY: South San Francisco
;
; STATE: California
;
; COUNTRY: USA
;
; ZIP: 94080
;

```

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 81.3%; Score 1010; DB 2; Length 218;
Best Local Similarity 87.6%; Pred. No. 7,4e-78;
Matches 191; Conservative 15; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTQSPGTTSLSPGERATLSCKASQSDYDGDSDYNNYQOKPQAPRLIYAASNLSS 80
DB 1 DIQLTQSPSSLSASVGDRTITCRASKPDGSDSYLNNYQOKPQAPRLIYAASNYLS 60
QY 81 GIPDRFSGSGGTDFLTITSLRLEPEDFAVYCCQSNEDPRTFGQTKLEIKRTVAAPSVF 140
DB 61 GIPSRFSGSGGTDFLTITSLRLEPEDFAVYCCQSHEDPRTFGQTKLEIKRTVAAPSVF 120
QY 141 IPPSDDEQLKSGTASVYCLINNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYLS 200
DB 121 IPPSDDEQLKSGTASVYCLINNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 81.3%; Score 1010; DB 2; Length 218;
Best Local Similarity 87.6%; Pred. No. 7,4e-78;
Matches 191; Conservative 15; Mismatches 12; Indels 0; Gaps 0;

QY 21 EIVLTQSPGTTSLSPGERATLSCKASQSDYDGDSDYNNYQOKPQAPRLIYAASNLSS 80
DB 1 DIQLTQSPSSLSASVGDRTITCRASKPDGSDSYLNNYQOKPQAPRLIYAASNYLS 60
QY 81 GIPDRFSGSGGTDFLTITSLRLEPEDFAVYCCQSNEDPRTFGQTKLEIKRTVAAPSVF 140
DB 61 GIPSRFSGSGGTDFLTITSLRLEPEDFAVYCCQSHEDPRTFGQTKLEIKRTVAAPSVF 120
QY 141 IPPSDDEQLKSGTASVYCLINNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYLS 200
DB 121 IPPSDDEQLKSGTASVYCLINNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 81.3%; Score 1010; DB 2; Length 218;
Best Local Similarity 87.6%; Pred. No. 7,4e-78;
Matches 191; Conservative 15; Mismatches 12; Indels 0; Gaps 0;

Qy	21	BIIVLTOSPGTSLSPGERATLSCKASQSVYDGDSDYMMWYQOKPQOAPRLIIVAASNL	80
Db	1	DIQUTOSPSSLSASVGRVTITCRASKYVDGSDSYLWYQOKPQAKKLIIVAASYLE	60
Qy	81	GIPDRFSGSGSGTDFTLTISRLEPEDFAVYCCQSNEDPRTFGQGTKEIRRTVAAPSV	140
Db	61	GVPSRFSGSGSGTDFTLTISRLEPEDFATYCCQSHEDPYTFGQGTKEIRRTVAAPSV	120
Qy	141	IFPPSDQOLKSGTASVVCINNFPYPREAKQWKVDNALQSGNSQESVTEQDSKDSTYSLS	200
Db	121	IFPPSDQOLKSGTASVVCINNFPYPREAKQWKVDNALQSGNSQESVTEQDSKDSTYSLS	180
Qy	201	STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC	238
Db	181	STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC	218

Search completed: February 20, 2004, 13:35:05
 Job time : 8.89311 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-107
Perfect score: 1242
Sequence: 1 METDTLLMWTLWVPGSTG.....EVTHQGLSSPVTKSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues
Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubpaa/PC7_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
- 6: /cgn2_6/ptodata/1/pubpaa/PC7US_PUBCOMB.pep:*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1242	100.0	238	12	US-10-384-933-107 Sequence 107, App
2	1242	100.0	238	15	US-10-216-484-107 Sequence 107, App
3	1230	99.0	238	12	US-10-384-933-50 Sequence 50, App1
4	1230	99.0	238	15	US-10-216-484-50 Sequence 50, App1
5	1207	97.2	238	12	US-10-384-933-109 Sequence 109, App
6	1207	97.2	238	15	US-10-216-484-109 Sequence 109, App
7	1201	96.7	238	12	US-10-384-933-52 Sequence 52, App1
8	1201	96.7	238	15	US-10-216-484-52 Sequence 52, App1
9	1193	96.1	238	12	US-10-384-933-54 Sequence 54, App1
10	1193	96.1	238	15	US-10-216-484-54 Sequence 54, App1
11	1177	94.8	238	12	US-10-384-933-129 Sequence 129, App
12	1177	94.8	238	15	US-10-216-484-129 Sequence 129, App
13	1174	94.5	238	12	US-10-384-933-131 Sequence 131, App
14	1174	94.5	238	15	US-10-216-484-131 Sequence 131, App
15	1173	94.4	238	12	US-10-384-933-127 Sequence 127, App

16	1173	94.4	238	15	US-10-216-484-127	Sequence 127, App
17	1139	91.7	238	12	US-10-353-708-38	Sequence 38, App1
18	1139	91.7	238	12	US-10-353-708-56	Sequence 56, App1
19	1139	91.7	238	15	US-10-171-452A-38	Sequence 38, App1
20	1139	91.7	238	15	US-10-171-452A-56	Sequence 56, App1
21	1129	90.9	238	12	US-10-353-708-44	Sequence 44, App1
22	1129	90.9	238	15	US-10-353-708-50	Sequence 50, App1
23	1129	90.9	238	12	US-10-171-452A-44	Sequence 44, App1
24	1129	90.9	238	15	US-10-171-452A-50	Sequence 50, App1
25	1073.5	86.4	235	15	US-10-153-382-7	Sequence 7, App1
26	1060	85.3	236	10	US-09-859-053-38	Sequence 38, App1
27	1059	85.3	233	15	US-10-153-382-15	Sequence 15, App1
28	1056.5	85.1	234	15	US-10-153-382-11	Sequence 11, App1
29	1052	84.7	236	10	US-09-859-053-38	Sequence 38, App1
30	1050	84.5	218	9	US-09-917-410-2	Sequence 2, App1
31	1043	84.0	218	11	US-09-925-179-67	Sequence 67, App1
32	1041	83.8	218	12	US-10-449-566-98	Sequence 98, App1
33	1038.5	83.6	384	12	US-10-291-265-804	Sequence 804, App
34	1038.5	83.6	384	12	US-10-291-265-805	Sequence 805, App
35	1038.5	83.6	384	12	US-10-291-265-806	Sequence 806, App
36	1038.5	83.6	384	12	US-10-291-265-807	Sequence 807, App
37	1038	83.6	240	12	US-10-159-006-36	Sequence 36, App1
38	1036	83.4	218	9	US-09-802-077-9	Sequence 9, App1
39	1036	83.4	218	9	US-09-802-096-9	Sequence 9, App1
40	1036	83.4	218	9	US-09-920-171-13	Sequence 13, App1
41	1036	83.4	218	11	US-09-925-179-9	Sequence 9, App1
42	1036	83.4	218	12	US-10-113-996-13	Sequence 13, App1
43	1035	83.3	236	12	US-09-833-245-237	Sequence 237, App
44	1031	83.0	218	12	US-10-353-708-39	Sequence 39, App1
45	1031	83.0	218	12	US-10-353-708-57	Sequence 57, App1

ALIGNMENTS

RESULT 1
US-10-384-933-107
; Sequence 107, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030170817A1ufuaa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 100.0%; Score 1242; DB 12; Length 238;
Best Local Similarity 100.0%; Pred. No. 3.7e-85;
Matches 238; Conservative 0; Indels 0; Gaps 0;

QY 1 METDTLLMWTLWVPGSTGTRIVLQSGPTSLSPGERATLSCKASQGVDDYDGSYNNWY 60
DB 1 METDTLLMWTLWVPGSTGTRIVLQSGPTSLSPGERATLSCKASQGVDDYDGSYNNWY 60
QY 61 QOKPGARLLIYAASNIIEGPIIDRFSGSGGTFTLTLSRLPEPDYVYVYCCQSNNEPR 120

Db 61 OOKPGQAPRLIIVAAASNLSEGIIPDRFSGSGGTDTFTLTISRLEPEDFAVYYCQGSNEDPR 120
QY 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQKSGTASVCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQSVTEQDSKDSYSLSTLTLSKADYERKHKYVACEVTHQGLSSPVTKSFNNGEC 238
Db 181 GNSQSVTEQDSKDSYSLSTLTLSKADYERKHKYVACEVTHQGLSSPVTKSFNNGEC 238

RESULT 2

US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 100.0%; Score 1242; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 3.7e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMW 60
Db 1 METDTILLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMW 60
QY 61 OOKPGQAPRLIIVAAASNLSEGIIPDRFSGSGGTDTFTLTISRLEPEDFAVYYCQGSNEDPR 120
Db 61 OOKPGQAPRLIIVAAASNLSEGIIPDRFSGSGGTDTFTLTISRLEPEDFAVYYCQGSNEDPR 120
QY 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQKSGTASVCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQSVTEQDSKDSYSLSTLTLSKADYERKHKYVACEVTHQGLSSPVTKSFNNGEC 238
Db 181 GNSQSVTEQDSKDSYSLSTLTLSKADYERKHKYVACEVTHQGLSSPVTKSFNNGEC 238

RESULT 3

US-10-384-933-50
; Sequence 50, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 99.0%; Score 1230; DB 12; Length 238;
Best Local Similarity 98.7%; Pred. No. 2.9e-84;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMW 60
Db 1 METDTILLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMW 60
QY 61 OOKPGQAPRLIIVAAASNLSEGIIPDRFSGSGGTDTFTLTISRLEPEDFAVYYCQGSNEDPR 120
Db 61 OOKPGQAPRLIIVAAASNLSEGIIPDRFSGSGGTDTFTLTISRLEPEDFAVYYCQGSNEDPR 120
QY 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Db 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQKSGTASVCLNNFYPREAKVQMKVDNALQS 180
QY 181 GNSQSVTEQDSKDSYSLSTLTLSKADYERKHKYVACEVTHQGLSSPVTKSFNNGEC 238
Db 181 GNSQSVTEQDSKDSYSLSTLTLSKADYERKHKYVACEVTHQGLSSPVTKSFNNGEC 238

RESULT 4

US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 99.0%; Score 1230; DB 15; Length 238;
Best Local Similarity 98.7%; Pred. No. 2.9e-84;
Matches 235; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMW 60
Db 1 METDTILLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNNMW 60
QY 61 OOKPGQAPRLIIVAAASNLSEGIIPDRFSGSGGTDTFTLTISRLEPEDFAVYYCQGSNEDPR 120

Mon, Feb 23 07:54:31 2004

us-09-499-662-107.rappb

Page 3

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Db 61 OQKPGQAPRLIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVYCLINNFYREAKVOMKVDNALOS 180
Db 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVYCLINNFYREAKVOMKVDNALOS 180
Qy 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
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```
RESULT 5
US-10-384-933-109
; Sequence 109, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Hanyama, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
; US-10-384-933-109
```

```
Query Match 97.2%; Score 1207; DB 12; Length 238;
Best Local Similarity 97.5%; Pred. No. 1.5e-82; Indels 0; Gaps 0;
Matches 232; Conservative 1; Mismatches 5;
Db 1 METDTILMWTLVWPSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Qy 1 OQKPGQAPRLIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Db 61 OQKPGQAPRLIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVYCLINNFYREAKVOMKVDNALOS 180
Db 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVYCLINNFYREAKVOMKVDNALOS 180
Qy 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
```

```
RESULT 6
US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Hanyama, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
```

```
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
; US-10-216-484-109
```

```
Query Match 97.2%; Score 1207; DB 15; Length 238;
Best Local Similarity 97.5%; Pred. No. 1.5e-82; Indels 0; Gaps 0;
Matches 232; Conservative 1; Mismatches 5;
Db 1 METDTILMWTLVWPSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Qy 1 METDTILMWTLVWPSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Db 61 OQKPGQAPRLIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Qy 61 OQKPGQAPRLIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Db 61 OQKPGQAPRLIYAASNLSEGIIPDRPSGSGSTDTLTIISRLPEADFAVYCCQSNEDPR 120
Qy 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVYCLINNFYREAKVOMKVDNALOS 180
Db 121 TFGQGTLEIKRTVAAPSVFIFPPSDEQLKSGTASVYCLINNFYREAKVOMKVDNALOS 180
Qy 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQESVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
```

```
RESULT 7
US-10-384-933-52
; Sequence 52, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hanyama, Hideyuki
; APPLICANT: Hanyama, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
; US-10-384-933-52
```

```
Query Match 96.7%; Score 1201; DB 12; Length 238;
Best Local Similarity 96.6%; Pred. No. 4.2e-82; Indels 0; Gaps 0;
Matches 230; Conservative 3; Mismatches 5;
Db 1 METDTILMWTLVWPSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
Qy 1 METDTILMWTLVWPSTGEIVLTQSPGTLSLSPGERATLSCASQSVYDGDSTNNMY 60
```

QY 61 QOKPGOAPRLIIYAASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYVYCCQSNEDPR 120
DB 61 QOKPGOAPRLIIYAASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYVYCCQSNEDPR 120
QY 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVGMKVDNALQ 180
DB 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVGMKVDNALQ 180
QY 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
DB 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238

RESULT 8
US-10-216-484-52
Sequence 52, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: US/10/216, 484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 52
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-52

Query Match 96.7%; Score 1201; DB 15; Length 238;
Best Local Similarity 96.6%; Pred. No. 4.2e-82;
Matches 230; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
QY 1 METDTILMLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMY 60
DB 1 METDTILMLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMY 60
QY 61 QOKPGOAPRLIIYAASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYVYCCQSNEDPR 120
DB 61 QOKPGOAPRLIIYAASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYVYCCQSNEDPR 120
QY 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVGMKVDNALQ 180
DB 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVGMKVDNALQ 180
QY 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
DB 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238

RESULT 9
US-10-384-933-54
Sequence 54, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

Query Match 96.1%; Score 1193; DB 12; Length 238;
Best Local Similarity 95.8%; Pred. No. 1.7e-81;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;
QY 1 METDTILMLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMY 60
DB 1 METDTILMLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMY 60
QY 61 QOKPGOAPRLIIYAASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYVYCCQSNEDPR 120
DB 61 QOKPGOAPRLIIYAASNLSEGI PDRFSGSGSGTDTFTLTISRLEPEDFAVYVYCCQSNEDPR 120
QY 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVGMKVDNALQ 180
DB 121 TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVGMKVDNALQ 180
QY 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238
DB 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTSFNRGEC 238

RESULT 10
US-10-216-484-54
Sequence 54, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: US/10/216, 484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053, 583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 54
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-54

Query Match 96.1%; Score 1193; DB 15; Length 238;
Best Local Similarity 95.8%; Pred. No. 1.7e-81;
Matches 228; Conservative 4; Mismatches 6; Indels 0; Gaps 0;
QY 1 METDTILMLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMY 60
DB 1 METDTILMLVLLWVPGSTGDIIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMY 60

```

QY 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
D 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
QY 121 TFGGQKLEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
D 121 TFGGQKLEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFNRGEC 238
D 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 11
US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haryama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-129

Query Match 94.8%; Score 1177; DB 12; Length 238;
Best Local Similarity 93.3%; Pred. No. 2.6e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLISLSPGERATLSCKASQSVYDGDSDYNNMY 60
D 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLISLSPGERATLSCKASQSVYDGDSDYNNMY 60
QY 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
D 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
QY 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
D 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
QY 121 TFGGQKLEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
D 121 TFGGQKLEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFNRGEC 238
D 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 12
US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haryama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru

```

```

; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-129

```

```

Query Match 94.8%; Score 1177; DB 15; Length 238;
Best Local Similarity 93.3%; Pred. No. 2.6e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLISLSPGERATLSCKASQSVYDGDSDYNNMY 60
D 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLISLSPGERATLSCKASQSVYDGDSDYNNMY 60
QY 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
D 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
QY 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
D 61 QOKGQAPRLIYAASNLSEGIIPRFGSGSGTDFTLTISRLEPEDPAVYVYCOQSNEDPR 120
QY 121 TFGGQKLEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
D 121 TFGGQKLEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFNRGEC 238
D 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYERKHVYACEVTHQGLSPVTKSFNRGEC 238

```

```

RESULT 13
US-10-384-933-131
; Sequence 131, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haryama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131

```

```

Query Match 94.5%; Score 1174; DB 12; Length 238;
Best Local Similarity 93.3%; Pred. No. 4.3e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLISLSPGERATLSCKASQSVYDGDSDYNNMY 60

```

```

Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
QY      61 OOKPGQAPRLIILYAASNLSESGIPDRPSGSGSGTDFTLTISRLEPEDFAVYCCQSNEDPR 120
        61 OOKPGKAPRLIILYAASNLSESGIPSRPSGSGSGTDFTLTISLQPEDFAVYCCQSNEDPR 120
Db      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
        121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Db      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
QY      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238
        181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238
Db      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238

```

RESULT 14

```

US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2002-08-09
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

```

```

Query Match      94.5%; Score 1174; DB 15; Length 238;
Best Local Similarity 93.3%; Pred. No. 4.3e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

```

```

QY      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
        1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
QY      61 OOKPGQAPRLIILYAASNLSESGIPDRPSGSGSGTDFTLTISRLEPEDFAVYCCQSNEDPR 120
        61 OOKPGKAPRLIILYAASNLSESGIPSRPSGSGSGTDFTLTISLQPEDFAVYCCQSNEDPR 120
Db      61 OOKPGKAPRLIILYAASNLSESGIPSRPSGSGSGTDFTLTISLQPEDFAVYCCQSNEDPR 120
QY      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
        121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Db      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
QY      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238
        181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238
Db      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238

```

RESULT 15

```

US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

```

```

Query Match      94.4%; Score 1173; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 5.1e-80;
Matches 221; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

```

```

QY      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
        1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGRVITITCKASQSVYDGDSDYNNMY 60
QY      61 OOKPGQAPRLIILYAASNLSESGIPDRPSGSGSGTDFTLTISRLEPEDFAVYCCQSNEDPR 120
        61 OOKPGKAPRLIILYAASNLSESGIPSRPSGSGSGTDFTLTISLQPEDFAVYCCQSNEDPR 120
Db      61 OOKPGKAPRLIILYAASNLSESGIPSRPSGSGSGTDFTLTISLQPEDFAVYCCQSNEDPR 120
QY      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
        121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
Db      121 TFGQGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQ 180
QY      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238
        181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238
Db      181 GNSQSVTEQDSKDSSTYSLSSTLTLSKADYERKHYACVTHQGLSSPVTSGFNRGEC 238

```

```

Search completed: February 20, 2004, 14:25:33
Job time : 19.0486 secs

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Mon Feb 23 07:54:32 2004

US-09-499-662-109.ra1

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-109

Perfect score: 1245
Sequence: 1 MENTILLMVLMLVPGSTG.....EVTGGLSPVTKSFNRGRC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
4: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
5: /cgn2_6/prodata/1/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1031	82.8	218	5 PCT-US96-13152-2	Sequence 2, Appl1
2	1027	82.5	240	4 US-09-301-593-16	Sequence 36, Appl1
3	1017	81.7	218	2 US-08-887-352B-13	Sequence 13, Appl1
4	1017	81.7	218	3 US-08-466-151-9	Sequence 9, Appl1
5	1017	81.7	218	3 US-09-109-207C-13	Sequence 13, Appl1
6	1017	81.7	218	3 US-09-296-005-13	Sequence 9, Appl1
7	1017	81.7	218	4 US-08-466-163B-9	Sequence 1, Appl1
8	994	79.8	218	3 US-09-282-505-1	Sequence 1, Appl1
9	994	79.8	218	3 US-09-054-255-1	Sequence 1, Appl1
10	994	79.8	218	4 US-09-282-846-1	Sequence 1, Appl1
11	994	79.8	218	4 US-09-680-145-1	Sequence 15, Appl1
12	991	79.6	218	2 US-08-887-352B-15	Sequence 17, Appl1
13	991	79.6	218	2 US-08-887-352B-19	Sequence 19, Appl1
14	991	79.6	218	2 US-08-887-352B-24	Sequence 24, Appl1
15	991	79.6	218	2 US-09-109-207C-15	Sequence 15, Appl1
16	991	79.6	218	3 US-09-109-207C-17	Sequence 17, Appl1
17	991	79.6	218	3 US-09-109-207C-19	Sequence 19, Appl1
18	991	79.6	218	3 US-09-109-207C-24	Sequence 24, Appl1
19	991	79.6	218	3 US-09-296-005-15	Sequence 15, Appl1
20	991	79.6	218	3 US-09-296-005-17	Sequence 17, Appl1
21	991	79.6	218	3 US-09-296-005-19	Sequence 19, Appl1
22	991	79.6	218	3 US-09-296-005-24	Sequence 24, Appl1
23	991	79.6	218	3 US-09-296-005-24	Sequence 24, Appl1
24	971.5	78.0	239	4 US-08-487-550-6	Sequence 6, Appl1
25	971.5	78.0	239	4 US-09-526-098-6	Sequence 56, Appl1
26	968.5	77.8	241	4 US-07-916-098A-56	Sequence 24, Appl1
27	962	77.3	234	4 US-09-740-002-24	Sequence 24, Appl1

28	959	77.0	234	3 US-09-049-672A-6	Sequence 6, Appl1
29	945.5	75.9	235	3 US-09-171-945-97	Sequence 97, Appl1
30	941.5	75.6	235	1 US-08-276-852-153	Sequence 153, App
31	941.5	75.6	235	1 US-08-899-575-153	Sequence 153, App
32	941.5	75.6	235	5 PCT-US95-08743-153	Sequence 153, App
33	941.5	75.5	233	2 US-07-934-373C-25	Sequence 25, Appl1
34	939.5	75.5	233	3 US-08-437-642B-25	Sequence 25, Appl1
35	939.5	75.5	233	4 US-08-146-206C-25	Sequence 25, Appl1
36	939.5	75.5	233	5 PCT-US93-07832-25	Sequence 28, Appl1
37	939.5	75.3	240	4 US-09-301-593-28	Sequence 39, Appl1
38	937	75.3	214	2 US-07-934-373C-39	Sequence 39, Appl1
39	936	75.2	214	3 US-08-437-642B-39	Sequence 39, Appl1
40	936	75.2	214	5 PCT-US93-07832-39	Sequence 99, Appl1
41	931.5	74.8	235	3 US-09-171-945-99	Sequence 40, Appl1
42	931.5	74.8	214	2 US-07-934-373C-40	Sequence 11, Appl1
43	931	74.8	214	4 US-08-788-800-11	Sequence 40, Appl1
44	931	74.8	214	3 US-08-437-642B-40	Sequence 40, Appl1
45	931	74.8	214	3 US-08-437-642B-40	Sequence 40, Appl1

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fail
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felle & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PFF/NDH
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3684
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 82.8%; Score 1031; DB 5; Length 218;
Best Local Similarity 89.9%; Pred. No. 9.9e-81; Indels 0; Gaps 0;
Matches 196; Conservative 11; Mismatches 11;

```
QY 21 IIVLTQSGGTLTSLSGBRATLSCXKASQSDVDYGDSTMMNYQQKQFGAPRLLIYAAANLES 80
Db 1 DIQMTQSSSLSASVGRVTTICKASQSDVDYGDSTMMNYQQKQFGAPRLLIYAAANLES 60
QY 81 GIPRFGSGSGGCTDPTLTTHPVEEBDAATYYCQSNEDPRTFGQTKLEIKRTVAAPSVF 140
Db 61 GIPRFGSGSGGCTDPTLTLTSLQPEDFATYYCQSNEDPMTFGQTKVEIKRTVAAPSVF 120
QY 141 IPPSDEOLKSGTASVCLANNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 200
Db 121 IPPSDEOLKSGTASVCLANNFYPREAKYQKVDNALQSGNSQESVTEBDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKYAACEVTHQGLSSPYTKSFNRGEC 238
Db 181 STLTLSKADYEKHKYAACEVTHQGLSSPYTKSFNRGEC 218
```

```

RESULT 2
US-09-301-593-36
Sequence 36 Application US/09301593A
Patent No. 645677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Cheesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 36
LENGTH: 240
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-36

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Query Match	Similarity	82.5%	Score 1027	DB 4	Length 240
Best Local	Similarity	82.1%	Pred. No. 2.4e-80		
Matches 197	Conservative	20	Mismatches 21	Indels 2	Gaps 1
QY	1	MTDTLLMLVLLWVPGSTGEIVLTQSDGTLSPGEBATLSCKASQGVDDG--SYNN	58		
Db	1	MTDTLLMLVLLWVPGSGDIWMTQSDSLAVSIGEBATINCKSSQGLTLSRNQNYIA	60		
QY	59	WYQKPGQAPRLLIYAASNLSEGIPIRRSGSGSGNDPFLTHPVEEENAAIYYQGSMD	118		
Db	61	WYQKPGQAPRLLIYMASTRSGVPIRRSGSGFGDPLTLLISLQAEVAAIYYCOQFSY	120		
QY	119	PRTEGQGTLEIKITVAPSVFIPEPDSDEKSGTASVYCLINNFPREAKQMKVDNAL	178		
Db	121	PLRTGQGTKEIVIKITVAPSVFIPEPDSDEKSGTASVYCLINNFPREAKQMKVDNAL	180		
QY	179	QSGNSQESVTEQDSKDSITYSLSTLTLSKADYEKKVYACVTHQGLSPPTKSPNREC	238		
Db	181	QSGNSQESVTEQDSKDSITYSLSTLTLSKADYEKKVYACVTHQGLSPPTKSPNREC	240		

RESULT 3
US-08-887-352B-13
; Sequence 13, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-Tige Antibodies and Method of

TITLE OF INVENTION: Improving Polypeptides
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Minipactin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/887,352B
 FILING DATE: 03-Jul-1997
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Svoboda, Craig G.
 REGISTRATION NUMBER: 39,044
 REFERENCE/DOCKET NUMBER: P1123
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1489
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 218 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-08-887-352B-13

[illegible]

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SOFTWARE: winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185699
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NOS: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-9
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Best Local Similarity 88.5%; Pred. No. 1.6e-79;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;
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DB 1 DIQLTQSPSSLSASVGRVITTCRASQSVVDGDSYNNMWYQOKPGKAPKLIYAASYLES 60
QY 81 GIPDRFSGSGSGTDFTLTTHVEEDDATYYCQOSNEDPRTFGQGTKLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTDFTLTISLQPEDPATYYCQOSHEDPYTFFGGTKVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218
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RESULT 5
US-09-109-207C-13

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Sequence 13, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Prestea, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P11231
CURRENT FILING DATE: US/09/109,207C
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
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LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13
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Query Match      81.7%; Score 1017; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 1.6e-79;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;
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DB 1 DIQLTQSPSSLSASVGRVITTCRASQSVVDGDSYNNMWYQOKPGKAPKLIYAASYLES 60
QY 81 GIPDRFSGSGSGTDFTLTTHVEEDDATYYCQOSNEDPRTFGQGTKLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTDFTLTISLQPEDPATYYCQOSHEDPYTFFGGTKVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218
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RESULT 6
US-09-296-005-13

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Sequence 13, Application US/09296005
Patent No. 6290957
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Prestea, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P11231
CURRENT FILING DATE: US/09/296,005
EARLIER FILING DATE: 1998-04-21
EARLIER APPLICATION NUMBER: US 08/887,352
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 13
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-296-005-13
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Query Match      81.7%; Score 1017; DB 3; Length 218;
Best Local Similarity 88.5%; Pred. No. 1.6e-79;
Matches 193; Conservative 13; Mismatches 12; Indels 0; Gaps 0;
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QY 21 EIVLTQSPGTLSPGERATLSCASQSVVDGDSYNNMWYQOKPGQAPRLTIYAASNIES 80
DB 1 DIQLTQSPSSLSASVGRVITTCRASQSVVDGDSYNNMWYQOKPGKAPKLIYAASYLES 60
QY 81 GIPDRFSGSGSGTDFTLTTHVEEDDATYYCQOSNEDPRTFGQGTKLEIKRTVAAPSVF 140
DB 61 GVPDRFSGSGSGTDFTLTISLQPEDPATYYCQOSHEDPYTFFGGTKVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 200
DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTKSFNRGEC 218
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RESULT 7
US-08-466-163B-9

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Sequence 9, Application US/08466163B
Patent No. 6329509
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 79.6%; Score 991; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 2,66-77;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY 21 EIVLTGPGTSLSPGERATLSCAKSQSVYDGDSDYNNWYQKPGQAPRLIYAASVLF 80
DB 1 DIQITGSPSSLSASVGRVITTCRAKRPVDEGDSYLNWYQKRGKAPKLIYAASVLF 60

QY 81 GIDPRFSGSGSDFTLTIHVEBEDATYYCCQSNEDPRTFGGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDFTLTIHVEBEDATYYCCQSHEDPYTFGGGTVEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVEDSKDSTYSL 200
DB 121 IFPPSDQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVEDSKDSTYSL 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-19
Sequence 19, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CURRENT APPLICATION DATA:
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match 79.6%; Score 991; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 2,66-77;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

QY 21 EIVLTGPGTSLSPGERATLSCAKSQSVYDGDSDYNNWYQKPGQAPRLIYAASVLF 80
DB 1 DIQITGSPSSLSASVGRVITTCRAKRPVDEGDSYLNWYQKRGKAPKLIYAASVLF 60

QY 81 GIDPRFSGSGSDFTLTIHVEBEDATYYCCQSNEDPRTFGGTLEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDFTLTIHVEBEDATYYCCQSHEDPYTFGGGTVEIKRTVAAPSVF 120

QY 141 IFPPSDQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVEDSKDSTYSL 200
DB 121 IFPPSDQLKSGTASVVCILNFPYPRAKYQWKVDNALQSGNSQESTVEDSKDSTYSL 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CURRENT APPLICATION DATA:
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match 79.6%; Score 991; DB 2; Length 218;
Best Local Similarity 86.2%; Pred. No. 2,66-77;
Matches 188; Conservative 16; Mismatches 14; Indels 0; Gaps 0;

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Qy      21  EIVLTOSPGTSLSPGERATLSCKASQSVYDGDSYMNYOQKPGQAPRLIYAASNLES 80
Db      1  DIQLOSPSSLSASVGBRVITTCRAKSKVDGSDSYLAWYQKFGKAPKLDIYAASTYES 60
Qy      81  GIPDRFSGSGGTDFTLLIHVEERDAATYYCOQSNEDPRTFGQGTKLEIKRTVAAPSVF 140
Db      61  GVPSRPFSGSGGTDFTLLISLSLOPEDFATYYCOQSHEDPYTFGQGTKEIKRTVAAPSVF 120
Qy      141  IFPPSDQLKSGTASVCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSTYSLS 200
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Db      181  STLTLSKADYKHKVYACEVTHOGLSPVTKSFNRGEC 218

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Search completed: February 20, 2004, 13:35:05
 Job time : 7.89311 secs

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Mon Feb 23:07:54:32 2004

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 / Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-109

Perfect score: 1245
Sequence: 1 METDTLLMVLWLVPGSTG.....EYTHQGLSPYKSPFRNGEC 238

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 801455 seqs, 209382283 residues
Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications AA:
1: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubppaa/US06_PUB_PUB.pep.*
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4: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1245	100.0	238	US-10-384-933-109	Sequence 109, App
2	1245	100.0	238	US-10-216-484-109	Sequence 109, App
3	1239	99.5	238	US-10-384-933-52	Sequence 52, App
4	1239	99.5	238	US-10-216-484-52	Sequence 52, App
5	1231	98.9	238	US-10-384-933-54	Sequence 54, App
6	1231	98.9	238	US-10-216-484-54	Sequence 54, App
7	1207	96.9	238	US-10-384-933-107	Sequence 107, App
8	1207	96.9	238	US-10-216-484-107	Sequence 107, App
9	1195	96.0	238	US-10-384-933-50	Sequence 50, App
10	1195	96.0	238	US-10-216-484-50	Sequence 50, App
11	1158	93.0	238	US-10-384-933-129	Sequence 129, App
12	1158	93.0	238	US-10-216-484-129	Sequence 129, App
13	1155	92.8	238	US-10-384-933-131	Sequence 131, App
14	1155	92.8	238	US-10-216-484-131	Sequence 131, App
15	1154	92.7	238	US-10-384-933-127	Sequence 127, App

US-09-499-662-109.rapb

16	1154	92.7	238	US-10-216-484-127	Sequence 127, App
17	1128	90.6	238	US-10-353-708-38	Sequence 38, App
18	1128	90.6	238	US-10-353-708-56	Sequence 56, App
19	1128	90.6	238	US-10-171-452A-38	Sequence 38, App
20	1128	90.6	238	US-10-171-452A-56	Sequence 56, App
21	1118	89.8	238	US-10-353-708-44	Sequence 44, App
22	1118	89.8	238	US-10-353-708-50	Sequence 50, App
23	1118	89.8	238	US-10-171-452A-44	Sequence 44, App
24	1118	89.8	238	US-10-171-452A-50	Sequence 50, App
25	1038.5	83.4	238	US-10-153-382-7	Sequence 7, App
26	1031	82.7	218	US-09-917-410-2	Sequence 2, App
27	1030	82.7	218	US-09-925-179-67	Sequence 67, App
28	1027	82.5	240	US-10-449-566-98	Sequence 98, App
29	1025	82.3	236	US-10-159-006-36	Sequence 36, App
30	1024	82.2	234	US-09-859-053-34	Sequence 34, App
31	1021.5	82.0	233	US-10-153-382-15	Sequence 15, App
32	1020	81.9	218	US-10-153-382-11	Sequence 11, App
33	1020	81.9	218	US-10-353-708-39	Sequence 39, App
34	1020	81.9	218	US-10-353-708-57	Sequence 57, App
35	1020	81.9	218	US-10-171-452A-39	Sequence 39, App
36	1020	81.8	218	US-10-171-452A-57	Sequence 57, App
37	1019	81.7	218	US-10-449-566-119	Sequence 119, App
38	1017	81.7	218	US-09-802-077-9	Sequence 9, App
39	1017	81.7	218	US-09-802-096-9	Sequence 9, App
40	1017	81.7	218	US-09-920-171-13	Sequence 13, App
41	1017	81.7	218	US-09-925-179-9	Sequence 9, App
42	1017	81.7	218	US-10-113-996-13	Sequence 13, App
43	1017	81.7	218	US-10-449-566-102	Sequence 102, App
44	1017	81.7	218	US-09-859-053-38	Sequence 38, App
45	1010	81.1	218	US-10-353-708-45	Sequence 45, App

ALIGNMENTS

RESULT 1
US-10-384-933-109 Application US/10384933
Sequence 109, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/384, 933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499, 662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light chain of humanized anti-Fas antibody
OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-109
Query Match 100.0%; Score 1245; DB 12; Length 238;
Best Local Similarity 100.0%; 0; Mismatches 0; Indels 0; Gaps 0;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTLLMVLWLVPGSTGIVTGTGPTLSTSPGERATLSCAKSQSYVDYDGSYNNWY 60
Db 1 METDTLLMVLWLVPGSTGIVTGTGPTLSTSPGERATLSCAKSQSYVDYDGSYNNWY 60
QY 61 QXKPGAPRLIYASNSLGGIPDRFGSGSGDTFTLTHVPEEDATYYCQSNEDPR 120

Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCOQSNEDPR 120
Qy 121 TFGGTLKLEIKRTVAASVFIPIRPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGTLKLEIKRTVAASVFIPIRPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSGESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSGESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 2

US-10-216-484-109

; Sequence 109, Application US/10216484

; Publication No. US20030103976A1

; GENERAL INFORMATION:

; APPLICANT: Serizawa, No. US20030103976A1ufusa

; APPLICANT: Haruyama, Hideyuki

; APPLICANT: Nakahara, Kaori

; APPLICANT: Takahashi, Ikuko

; APPLICANT: Takahashi, Tohru

; TITLE OF INVENTION: Anti-Fas Antibodies

; FILE REFERENCE: 980126CIP/HG

; CURRENT APPLICATION NUMBER: US/10/216,484

; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: US/09/499,662

; PRIOR FILING DATE: 2000-02-09

; PRIOR APPLICATION NUMBER: US 09/053,583

; PRIOR FILING DATE: 1998-04-01

; NUMBER OF SEQ ID NOS: 165

; SEQ ID NO 109

; LENGTH: 238

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Designed light

; OTHER INFORMATION: chain of humanized anti-Fas antibody

US-10-216-484-109

Query Match Best Local Similarity 100.0%; Score 1245; DB 15; Length 238;

Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCOQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCOQSNEDPR 120
Qy 121 TFGGTLKLEIKRTVAASVFIPIRPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGTLKLEIKRTVAASVFIPIRPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSGESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSGESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-52

; Sequence 52, Application US/10384933

; Publication No. US20030170817A1

; GENERAL INFORMATION:

; APPLICANT: Serizawa, No. US20030170817A1ufusa

; APPLICANT: Haruyama, Hideyuki

; APPLICANT: Nakahara, Kaori

; APPLICANT: Takahashi, Ikuko

; APPLICANT: Takahashi, Tohru

; TITLE OF INVENTION: Anti-Fas Antibodies

; FILE REFERENCE: 980126CIP/HG

; CURRENT APPLICATION NUMBER: US/10/384,933

; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Designed light

US-10-384-933-52

Query Match Best Local Similarity 99.5%; Score 1239; DB 12; Length 238;

Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCOQSNEDPR 120
Db 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCOQSNEDPR 120
Qy 121 TFGGTLKLEIKRTVAASVFIPIRPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGTLKLEIKRTVAASVFIPIRPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSGESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSGESVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-52

; Sequence 52, Application US/10216484

; Publication No. US20030103976A1

; GENERAL INFORMATION:

; APPLICANT: Serizawa, No. US20030103976A1ufusa

; APPLICANT: Haruyama, Hideyuki

; APPLICANT: Nakahara, Kaori

; APPLICANT: Takahashi, Ikuko

; APPLICANT: Takahashi, Tohru

; TITLE OF INVENTION: Anti-Fas Antibodies

; FILE REFERENCE: 980126CIP/HG

; CURRENT APPLICATION NUMBER: US/10/216,484

; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: US/09/499,662

; PRIOR FILING DATE: 2000-02-09

; PRIOR APPLICATION NUMBER: US 09/053,583

; PRIOR FILING DATE: 1998-04-01

; NUMBER OF SEQ ID NOS: 165

; SEQ ID NO 52

; LENGTH: 238

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Designed light

; OTHER INFORMATION: chain of humanized anti-Fas antibody

US-10-216-484-52

Query Match Best Local Similarity 99.5%; Score 1239; DB 15; Length 238;

Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Db 1 METDTILLWVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCAKASQSVVDYDGSYNMWY 60
Qy 61 QOKRGAAPRLIYAASNLSEGIPIRFGSGSGTDFTLTIHVEEDATYYCOQSNEDPR 120

1

RESULT 5
US-10-384-933-54
Application US/10384933

	Query Match	98.33;	Pred. No.	9.7e-06	Indels	0;	Gaps	-
	Best Local Similarity				1;			
	Mismatches	23;			Mismatches			
	Conservative							

RESULT 6
US-10-216-484-54
Sequence 54, Application US/10216484

Publication NO.:
GENERAL INFORMATION: No. US20030103976A1ufusa
APPLICANT: Seizawa, Hideyuki
APPLICANT: Hattayama, Kaori
APPLICANT: Nakahara, Kaori
APPLICANT: Yamaki, Ikuro
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG

Query Match	Pred. No.	Indels	Gaps
Similarity 98.3%	9,456	1	0
Best Local Similarity	3	Mismatches	
Matches 234; Conservative			

RESULT 7
US-10-384-933-107
US-10-384-933-107 Application US/10384933

Publication No.: US2003021793A1
GENERAL INFORMATION: No. US20030170817A1Jafusa
APPLICANT: Serizawa, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CJP/HG
CURRENT FILING DATE: 2003-02-05
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match	96.9%	Pred. No. 6.4e-84	Indels	0	Gaps
Beat Local Similarity	97.5%	1	Mismatches	5	
Matches	232	Conservative			
QY	1	MEEDTILLWVILLWVDSGTGEIVLTQSPGTSLSISGERATLLSCAKASQSYVDSDSYNNY			60
DB	1	MEEDTILLWVILLWVDSGTGEIVLTQSPGTSLSISGERATLLSCAKASQSYVDSDSYNNY			60

```

QY 61 QOKPQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTHVEEDATYYCOQSNEDPR 120
   |||||
Db 61 QOKPQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTHVEEDATYYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTYAASVPIFPSPDQOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
   |||||
Db 121 TFGGCTLEIKRTYAASVPIFPSPDQOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
   |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

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RESULT 8

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US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

```

```

Query Match 96.9%; Score 1207; DB 15; Length 238;
Best Local Similarity 97.5%; Pred. No. 6.4e-84;
Matches 232; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMWY 60
   |||||
Db 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMWY 60
QY 61 QOKPQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTHVEEDATYYCOQSNEDPR 120
   |||||
Db 61 QOKPQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTHVEEDATYYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTYAASVPIFPSPDQOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
   |||||
Db 121 TFGGCTLEIKRTYAASVPIFPSPDQOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
   |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 9

```

US-10-384-933-50
; Sequence 50, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
US-10-384-933-50

```

```

; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

```

```

Query Match 96.0%; Score 1195; DB 12; Length 238;
Best Local Similarity 96.2%; Pred. No. 5.2e-83;
Matches 229; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMWY 60
   |||||
Db 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMWY 60
QY 61 QOKPQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTHVEEDATYYCOQSNEDPR 120
   |||||
Db 61 QOKPQAPRLIYAASNLSEGIPIPRFSGSGSGTDTFTLTHVEEDATYYCOQSNEDPR 120
QY 121 TFGGCTLEIKRTYAASVPIFPSPDQOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
   |||||
Db 121 TFGGCTLEIKRTYAASVPIFPSPDQOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
   |||||
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 10

```

US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

```

```

Query Match 96.0%; Score 1195; DB 15; Length 238;
Best Local Similarity 96.2%; Pred. No. 5.2e-83;
Matches 229; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMWY 60
   |||||
Db 1 METDTILMLVLLWVPGSTGEIVLTQSPGTLSLSPGERATLSCRAQSVDYDGSYNNMWY 60

```



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Db      1  METDTILLMVLWLPVSGTGDIVLTQSPSSLSASVGRVITTCCKASQSVYDGDSDYNNWY 60
Qy      61  OOKPGOAPRLIITYAASNLSESGIPDRFSGSGSGTDFTLTTHIPEVEDAAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61  OOKPGKAKPLIITYAASNLSESGIPSRFSGSGSGTDFTLTISLQPEDPATYYCOQSNEDPR 120
Qy      121  TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121  TFGGCTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
Qy      181  GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181  GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 14

```

US-10-216-484-131
; Sequence 131, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ichiro
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 131
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

```

```

Query Match      92.8%; Score 1155; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 5,6e-80;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1  METDTILLMVLWLPVSGTGDIVLTQSPSSLSASVGRVITTCCKASQSVYDGDSDYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1  METDTILLMVLWLPVSGTGDIVLTQSPSSLSASVGRVITTCCKASQSVYDGDSDYNNWY 60
Qy      61  OOKPGOAPRLIITYAASNLSESGIPDRFSGSGSGTDFTLTTHIPEVEDAAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61  OOKPGKAKPLIITYAASNLSESGIPSRFSGSGSGTDFTLTISLQPEDPATYYCOQSNEDPR 120
Qy      121  TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121  TFGGCTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
Qy      181  GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181  GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

```

RESULT 15

```

US-10-384-933-127
; Sequence 127, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tagaki, Ichiro

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 127
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

```

```

Query Match      92.7%; Score 1154; DB 12; Length 238;
Best Local Similarity 91.6%; Pred. No. 6,6e-80;
Matches 218; Conservative 11; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1  METDTILLMVLWLPVSGTGDIVLTQSPSSLSASVGRVITTCCKASQSVYDGDSDYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1  METDTILLMVLWLPVSGTGDIVLTQSPSSLSASVGRVITTCCKASQSVYDGDSDYNNWY 60
Qy      61  OOKPGOAPRLIITYAASNLSESGIPDRFSGSGSGTDFTLTTHIPEVEDAAATYYCOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61  OOKPGKAKPLIITYAASNLSESGIPSRFSGSGSGTDFTLTISLQPEDPATYYCOQSNEDPR 120
Qy      121  TFGGCTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121  TFGGCTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQ 180
Qy      181  GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181  GNSQESVTEQDSKDSSTYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238

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Search completed: February 20, 2004, 14:25:33
Job time : 18.0486 secs

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Mon Feb 23 07:54:33 2004

US-09-499-662-117.rat

GenCore version 5.1.6
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OW protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(Without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-117

Sequence: 1 MMSGCTILFLVATATGVHSQ.....MREALNHYTKSLSPK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A COMB pep:*
2: /cgn2_6/ptodata/1/iaa/5B COMB pep:*
3: /cgn2_6/ptodata/1/iaa/6A COMB pep:*
4: /cgn2_6/ptodata/1/iaa/6B COMB pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB pep:*
6: /cgn2_6/ptodata/1/iaa/backfill1 pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2252	89.5	472	US-09-301-593-43	Sequence 43, Appl
2	2229	88.6	449	US-08-458-516-13	Sequence 13, Appl
3	2227	88.5	476	US-08-378-939-10	Sequence 10, Appl
4	2199.5	87.4	467	US-09-049-672A-8	Sequence 8, Appl
5	2197.5	87.3	452	US-09-026-985-71	Sequence 71, Appl
6	2197.5	87.3	452	US-09-026-985-71	Sequence 71, Appl
7	2197.5	87.3	452	US-09-121-952A-71	Sequence 71, Appl
8	2197.5	87.3	452	US-09-234-340A-71	Sequence 71, Appl
9	2197.5	87.3	472	US-09-301-593-30	Sequence 30, Appl
10	2174	86.4	468	US-09-485-737B-67	Sequence 67, Appl
11	2174	86.4	711	US-09-485-737B-67	Sequence 90, Appl
12	2161.5	85.9	454	US-07-934-373C-22	Sequence 22, Appl
13	2161.5	85.9	454	US-08-437-642B-22	Sequence 22, Appl
14	2161.5	85.9	454	US-08-146-206C-22	Sequence 22, Appl
15	2161.5	85.9	454	PCT-US93-07832-22	Sequence 22, Appl
16	2157.5	85.7	472	US-09-301-593-18	Sequence 18, Appl
17	2141	84.3	451	US-08-793-450-8	Sequence 18, Appl
18	2141	84.3	451	US-08-887-352B-16	Sequence 16, Appl
19	2121	84.3	451	US-08-887-352B-16	Sequence 16, Appl
20	2121	84.3	451	US-08-466-151-65	Sequence 65, Appl
21	2121	84.3	451	US-09-109-207C-14	Sequence 14, Appl
22	2121	84.3	451	US-09-109-207C-16	Sequence 16, Appl
23	2121	84.3	451	US-09-296-005-14	Sequence 14, Appl
24	2121	84.3	451	US-09-296-005-16	Sequence 16, Appl
25	2118	84.1	478	US-08-487-550-8	Sequence 8, Appl
26	2118	84.1	478	US-09-526-098-8	Sequence 8, Appl
27	2113	83.9	451	US-08-887-352B-18	Sequence 18, Appl

28	2113	83.9	451	3	US-09-109-207C-18	Sequence 18, Appl
29	2113	83.9	451	3	US-09-282-505-2	Sequence 2, Appl
30	2113	83.9	451	3	US-09-054-255-2	Sequence 2, Appl
31	2113	83.9	451	3	US-09-296-005-18	Sequence 18, Appl
32	2113	83.9	451	4	US-09-282-846-2	Sequence 2, Appl
33	2113	83.9	451	4	US-09-680-145-2	Sequence 2, Appl
34	2102	83.5	453	3	US-08-466-151-8	Sequence 8, Appl
35	2102	83.5	453	4	US-08-466-151-8	Sequence 8, Appl
36	2100.5	83.4	467	2	US-07-916-098A-45	Sequence 45, Appl
37	2099.5	83.4	449	4	US-09-679-397-2	Sequence 2, Appl
38	2099.5	83.4	449	4	US-09-680-148-2	Sequence 2, Appl
39	2099.5	83.4	449	4	US-09-304-465A-2	Sequence 23, Appl
40	2093.5	83.3	552	5	PCT-US93-07832-23	Sequence 23, Appl
41	2093.5	83.2	469	2	US-07-934-373C-23	Sequence 23, Appl
42	2093.5	83.2	469	3	US-08-437-642B-23	Sequence 23, Appl
43	2093.5	83.2	469	4	US-08-146-206C-23	Sequence 23, Appl
44	2093	83.2	451	4	US-09-247-352-3	Sequence 3, Appl
45	2093	83.2	451	4	US-09-466-635-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1									
US-09-301-593-43									
Sequence 43, Application US/09301593A									
Patent No. 6455677									
GENERAL INFORMATION:									
APPLICANT: Garin-Chesa, Pillar									
APPLICANT: Bandberger, Uwe									
APPLICANT: Bandberger, Uwe									
APPLICANT: Leiger, Olivier									
APPLICANT: Saldanha, Jose W.									
APPLICANT: Retlich, Wolfgang J.									
TITLE OR INVENTION: FAP-specific Antibody with Improved Productibility									
PTE REFERENCE: 0652.1890001									
CURRENT APPLICATION NUMBER: US/09/301,593A									
CURRENT FILING DATE: 1999-04-29									
EARLIER APPLICATION NUMBER: EP 98107925.4									
EARLIER FILING DATE: 1998-04-30									
EARLIER APPLICATION NUMBER: US 60/086,049									
EARLIER FILING DATE: 1998-05-18									
NUMBER OF SEQ ID NOS: 108									
SOFTWARE: PatentIn Ver. 2.0									
SEQ ID NO 43									
LENGTH: 472									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-301-593-43									
Query Match									
Best local Similarity 90.3%; Pred. No. 2.4e-161;									
Matches 427; Conservative 12; Mismatches 30; Indels 4; Gaps 2;									
QY	1	MMSGCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKASCKASGTTFTSYNMQWKDP	60						
DB	1	MMSGCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKASCKASGTTFTSYNMQWKDP	60						
QY	61	GGLLEWGGIDPSSTYNQFKKATLDTSTNAYEISLRSEDTAVYYCARNR	119						
DB	61	GGLLEWGGIDPSSTYNQFKKATLDTSTNAYEISLRSEDTAVYYCARNR	119						
QY	61	GGLLEWGGIDPSSTYNQFKKATLDTSTNAYEISLRSEDTAVYYCARNR	120						
DB	61	GGLLEWGGIDPSSTYNQFKKATLDTSTNAYEISLRSEDTAVYYCARNR	120						
QY	120	--DYSNNWFDPWGEGLTVTVSSASTKGPSPVPLAPSSKSTSGTAALGCLVQYFPEPV	177						
DB	120	--DYSNNWFDPWGEGLTVTVSSASTKGPSPVPLAPSSKSTSGTAALGCLVQYFPEPV	177						
QY	121	AYGDSGHANDVYGGDTLVTVSS--STKGPSPVPLAPSSKSTSGTAALGCLVQYFPEPV	179						
DB	121	AYGDSGHANDVYGGDTLVTVSS--STKGPSPVPLAPSSKSTSGTAALGCLVQYFPEPV	179						
QY	178	TVSNWSGALTSGVHTTTPAVYVQSSGLYSLSVTVVSSISLTQTYICNNVHKPSNKKVKK	237						
DB	178	TVSNWSGALTSGVHTTTPAVYVQSSGLYSLSVTVVSSISLTQTYICNNVHKPSNKKVKK	237						
QY	180	TVSNWSGALTSGVHTTTPAVYVQSSGLYSLSVTVVSSISLTQTYICNNVHKPSNKKVKK	239						
DB	180	TVSNWSGALTSGVHTTTPAVYVQSSGLYSLSVTVVSSISLTQTYICNNVHKPSNKKVKK	239						
QY	228	VEPSCKTKTCCPCPAPELLGSPVFLPPPKXTDTLMSRPEVTCVVVDVSHEDPEVK	297						
DB	228	VEPSCKTKTCCPCPAPELLGSPVFLPPPKXTDTLMSRPEVTCVVVDVSHEDPEVK	297						
QY	240	VEPSCKTKTCCPCPAPELLGSPVFLPPPKXTDTLMSRPEVTCVVVDVSHEDPEVK	299						
DB	240	VEPSCKTKTCCPCPAPELLGSPVFLPPPKXTDTLMSRPEVTCVVVDVSHEDPEVK	299						

QY 298 FNTVVDGEVHNATKPREEOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAP1EK 357
DB 300 FNTVVDGEVHNATKPREEOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAP1EK 359
QY 358 TISAKQOPREPOVYTLTPSPREEMTKNOVSLTCLVKGFPSPDIIVEMESNQPENNYKTT 417
DB 360 TISAKQOPREPOVYTLTPSPREEMTKNOVSLTCLVKGFPSPDIIVEMESNQPENNYKTT 419
QY 418 PPTVDSGSPFLVSKLTVDKSRMOQGNVFCSCVHNEALHNHYTOKSLSPGK 470
DB 420 PPTVDSGSPFLVSKLTVDKSRMOQGNVFCSCVHNEALHNHYTOKSLSPGK 472

RESULT 2

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIB/IIIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458, 516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 88.6%; Score 2229; DB 1; length 449;
Best Local Similarity 92.9%; Pred. No. 1.2e-159;
Matches 419; Conservative 15; Mismatches 15; Indels 2; Gaps 2;

QY 20 QVOLVQGAAYKKGASVYKSCKASGYFTSYMMQMVQAPQAGLEMMGEIDPSDSYTN 79
DB 1 QVOLVQGAAYKKGASVYKSCKASGYFTSYMMQMVQAPQAGLEMMGEIDPSDSYTN 60
QY 80 NQKFKGATLTVDSTSTAVNELSLRSEDYAVYVCARNRDYSNNWYFDVWEGTLTVS 139
DB 61 NEKFKGATLTVDSTSTAVNELSLRSEDYAVYVCARNRDYSNNWYFDVWEGTLTVS 118
QY 140 SASKKGSVPLASSKSTSGTALGCLVVDYDPEPTVYWNAGALTSGVHTPAVLQS 199
DB 140 SASKKGSVPLASSKSTSGTALGCLVVDYDPEPTVYWNAGALTSGVHTPAVLQS 199

DB 119 SASTKGPSPVPLASSKSTSGTALGCLVVDYDPEPTVYWNAGALTSGVHTPAVLQS 178
QY 200 SGLYSLSSVTVTPSSSGLGTQTYICNVNHPKSNTRKVRBPKSCDKTHTCPCPAPELLG 259
DB 179 SGLYSLSSVTVTPSSSGLGTQTYICNVNHPKSNTRKVRBPKSCDKTHTCPCPAPELLG 238
QY 260 GPSVFLFPKPKDTLMSRTPVTCVVVDVSHEDPEVKFNWYVDGVEVHNATKPREEOY 319
DB 239 GPSVFLFPKPKDTLMSRTPVTCVVVDVSHEDPEVKFNWYVDGVEVHNATKPREEOY 298
QY 320 NSTYRVSVLTVLHODMLNGKEYCKVSNKALPAP1EKTISKAKGQPREPOVYTLTPSR 379
DB 299 NSTYRVSVLTVLHODMLNGKEYCKVSNKALPAP1EKTISKAKGQPREPOVYTLTPSR 358
QY 380 EMTKNOVSLTCLVKGFPSPDIIVEMESNQPENNYKTTPTVDSGSPFLVSKLTVDKSR 439
DB 359 EMTKNOVSLTCLVKGFPSPDIIVEMESNQPENNYKTTPTVDSGSPFLVSKLTVDKSR 418
QY 440 WQGNVFCSCVHNEALHNHYTOKSLSPGK 470
DB 419 WQGNVFCSCVHNEALHNHYTOKSLSPGK 449

RESULT 3

US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROWE, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378, 939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6031
TELEFAX: (202) 783-6040
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

Query Match 88.5%; Score 2227; DB 2; length 476;
Best Local Similarity 88.2%; Pred. No. 1.8e-159;
Matches 420; Conservative 22; Mismatches 28; Indels 6; Gaps 1;

QY 1 MGWSCILPLVATVATGVSQVOLVQGAAYKKGASVYKSCKASGYFTSYMMQMVQAP 60
DB 1 MDMWRFLPVVAATVATGVSQVOLVQGAAYKKGASVYKSCKASGYFTSYMMQMVQAP 60

QY	61	GOGLEMMBIDPDSDSYTNNOKEKGAULTVPTSTETAWEKLSLSESDPAVYCAKRR-	112
Dp	61	GOGLEMMGCIPLFCTPTYSQNFQGRVITLADKSTSTAHMELTSLSESDPAVYCACTDRY	120
QY	120	-----DYNMNYFDWMBGEGTLVTWSASTKGPVFLAPSSKSTSGTALGCLVNDYFP	174
Dp	121	RQANFDRAVCGHFDPMGQGTILVTWSASTKGPVFLAPSSKSTSGTALGCLVNDYFP	180
QY	175	EPVTVSNNSGALTSGVHTFPAYLQSSGLYSLSSVTVTPSSSLCTQYITCNVNHKPSNTKY	234
Dp	181	EPVTVSNNSGALTSGVHTFPAYLQSSGLYSLSSVTVTPSSSLCTQYITCNVNHKPSNTKY	240
QY	235	DKRVPKSCDKHHTPCPCPAPELGGPSVFLPPPKDKDTLMTSRTEVTCVVVDVSHEDP	294
Dp	241	DKRVPKSCDKHHTPCPCPAPELGGPSVFLPPPKDKDTLMTSRTEVTCVVVDVSHEDP	300
QY	295	EVKFPMVYDGYEVNNAKTKPREEOYVSTRVVSVLTLVHODMIMGKRYCKVSNKALPAP	354
Dp	301	EVKFPMVYDGYEVNNAKTKPREEOYVSTRVVSVLTLVHODMIMGKRYCKVSNKALPAP	360
QY	355	IEKTISSKAKGPREPOVYTLPPSRBEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNY	414
Dp	361	IEKTISSKAKGPREPOVYTLPPSRBELTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNY	420
QY	415	KTPPVLVLDSDGSFFLYSKLTVLWKSRMQGNVSCSWHEALNHNHYOKSLSLSPGK	470
Dp	421	KTPPVLVLDSDGSFFLYSKLTVLWKSRMQGNVSCSWHEALNHNHYOKSLSLSPGK	476

RESULT 4
 US-09-049-672A-8
 Sequence 8, Application US/09049672A
 Patent No. 6135941
 GENERAL INFORMATION:
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Tang, Y. Tom
 APPLICANT: Yue, Henry
 APPLICANT: Au-Young, Janice
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl J.
 APPLICANT: Baughn, Mariah R.
 TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/049,672A
 FILING DATE: HEREWITH
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cerrone, Michael C
 REGISTRATION NUMBER: 39,132
 REFERENCE/DOCKET NUMBER: PR-0497 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 8:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 467 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGTUT11
; CLONE: 2747531
; US-09-049-672A-6

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Query Match	87.4%;	Score 2199.5;	DB 3;	Length 467;
Best Local Similarity	89.0%;	Pred. No. 2.1e-157;		
Matches 413;	Conservative 20;	Mismatches 28;	Indels 3;	Gaps 1.

Qy	11ELVATATGVHSQVQLVQSGAEVKKPKQASVYSKASGYFTSYMMQWVQAQGGQLEW	66
Db	7 ILTLVAAATGTHAQVQLVQSGAEVKKPKQASVQVCSCTSGFTLSDVSHWVRQAQGGQLEW	66
Qy	67 MGEIDPSDSYTNQKFKGKATLTIVDTSTSPAYMELSLRSEDTAVVYCARNRDYSNNWY	126
Db	67 MGLIAEENGEAVYAQKFLRLLTSLSDTADRAYMELNMGSESDSAIYYCARQH---YDF	123
Qy	127 FDMWEGTLVWYSASTGSPVFPRLAPSKSTSGCTALGCLVQDYPRPEPVYVWNSGAL	186
Db	124 FDMWGGTWTWYSSASTGSPVFPRLAPSKSTSGCTALGCLVQDYPRPEPVYVWNSGAL	183
Qy	187 TSGVTHFPVAVLQSGYLSLSVYVTPSSSLGTQTYICNVNHPKPNATVVDKRVKPS	246
Db	184 TSGVTHFPVAVLQSGGLYLSLSVYVTPSSSLGTQTYICNVNHPKPNATVVDKRVKPS	243
Qy	247 HTCPCPDAPELLGGRSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKFNMYVDGVE	306
Db	244 HTCPCPDAPELLGGRSVFLPPPKPDTLMISRTPEVTCVVVDVSHEDPEVKFNMYVDGVE	303
Qy	307 VHAAKTRPPEBOYNSNTRYVSVLYTLVHODMTNGEKYCKVSNKALPAPIEKTISKAKGQ	366
Db	304 VHAAKTRPPEBOYNSNTRYVSVLYTLVHODMTNGEKYCKVSNKALPAPIEKTISKAKGQ	363
Qy	367 REPOVYTLTPRSREEMTKQVSLTCLVKGPYPSDIAVEMESNGQPENNYKTTTPVLDSDG	426
Db	364 REPOVYTLTPRSREEMTKQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDG	423
Qy	427 FFLYSKLTVDKSRMQGANVFCSVNHEALAHNHYOKSLISLSPG	470
Db	424 FFLYSKLTVDKSRMQGANVFCSVNHEALAHNHYOKSLISLSPG	467

RESULT 5
US-09-027-449-71
Sequence 71, Application US/09027449
Patent No. 6025158
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/027,449
FILING DATE: 20-Feb-1998

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.3%; Score 2197.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 2.8e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEYKKGASVYKSCSKASGYTFTSYMMQWVKQAFGGGLEMMGEIDPSDSYTN 79
DB 1 EVQLVQSGGGLVQGGSLRLSCAASGYSFSSHYMWVKQAFGGGLEMMGYIDPSNGETTY 60
QY 80 NQKFKGKATLVDPDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNYFDVWGGGLVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYLQWNSLRABDTAVYYCARGDYRNGDMFFDVWGQGLVTV 120
QY 139 SSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKVKRVEPKSCDKHTHCPCPAPELL 258
DB 181 SSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKVKRVEPKSCDKHTHCPCPAPELL 240
QY 259 GGPSPVLPFPPPKKOTLMTSRTPVTCVVDVSHEDPEVKFMWYVDGVEVNAKTKPREQ 318
DB 241 GGPSPVLPFPPPKKOTLMTSRTPVTCVVDVSHEDPEVKFMWYVDGVEVNAKTKPREQ 300
QY 319 YNSTYRIVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTSKAKGQPREPQVYTLPPSR 378
DB 301 YNSTYRIVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTSKAKGQPREPQVYTLPPSR 360
QY 379 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPYVLDSDGSFFLYSKLTVDKS 438
DB 361 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPYVLDSDGSFFLYSKLTVDKS 420
QY 439 RMQGNVFSGVMEBALHNHTYTKSLSPGK 470

DB 421 RMQGNVFSGVMEBALHNHTYTKSLSPGK 452

RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., HseI, Vanessa
APPLICANT: Kouments, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrrok, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.3%; Score 2197.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 2.8e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEYKKGASVYKSCSKASGYTFTSYMMQWVKQAFGGGLEMMGEIDPSDSYTN 79
DB 1 EVQLVQSGGGLVQGGSLRLSCAASGYSFSSHYMWVKQAFGGGLEMMGYIDPSNGETTY 60
QY 80 NQKFKGKATLVDPDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNYFDVWGGGLVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYLQWNSLRABDTAVYYCARGDYRNGDMFFDVWGQGLVTV 120
QY 139 SSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGPSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQTYICNVNHRKPSNTKVKRVEPKSCDKHTHCPCPAPELL 258

Db 181 SSGYSLSSVTYVSSSSLGITQTYICNVNHNKPSNTKVDKCKVPSKCDKHTCPCPAPBELL 240
Qy 259 GGPSEVFLPPPKKOTLMISRTPEVTCVVDVSHEDPEVKFNMVYDGVENNAKTKPREQ 318
Db 241 GGPSEVFLPPPKKOTLMISRTPEVTCVVDVSHEDPEVKFNMVYDGVENNAKTKPREQ 300
Qy 319 YNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTISKAKGPREQVYTLPPSR 378
Db 301 YNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTISKAKGPREQVYTLPPSR 360
Qy 379 EEMTKNOVSLTCLVKGYFSPDIAVEMESNGQPENNYKTTPEVLSDGSFLYSKLTVDKS 438
Db 361 EEMTKNOVSLTCLVKGYFSPDIAVEMESNGQPENNYKTTPEVLSDGSFLYSKLTVDKS 420
Qy 439 RMOQGNVFSQVMEHALNHNHTOKSLSLSPGK 470
Db 421 RMOQGNVFSQVMEHALNHNHTOKSLSLSPGK 452

RESULT 9

US-09-301-593-30

Sequence 30, Application US/09301593A
Patent No. 6453677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Legger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652,1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1998-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.3%; Score 2197; DB 4; Length 472;
Best Local Similarity 87.7%; Pred. No. 3.2e-157;
Matches 415; Conservative 20; Mismatches 34; Indels 4; Gaps 2;

Qy 1 MGMSCTILFLVATATGVHSQVQLVDSGAEVKKPKASVTVSCASGYTFTSYMMQWVKAQAP 60
Db 1 MGMSWVFLFLSLGATGAVSEVQLQDSGPELVKPKASVMSCKTSYTTETITIHVRSH 60
Qy 61 GQGLMWMGEIDPDSSTYNNOKFKGKATLTVDSTSTAYMELSSLRSEDTAVYYCARNR- 119
Db 61 GKSLEWIGGINPNNGISPIYNNOKFKGRATLTVGKSSSTAYMELSLRSEDSAVYFCARRI 120
Qy 120 --DYSNMRYFVWGEGLTVYSSASTKPSVFPPLAPSSKTSGGTALGCLVKDYFPEPV 177
Db 121 AYVDEGHAMDYWGQSTSVTVSS--STKGPVFPPLAPSSKTSGGTALGCLVKDYFPEPV 179
Qy 178 TVSNNSGALTSQVHTFPFPAVLQSSGLYSLSVTVVPSSSLGITQTYICNVNHNKPSNTKVDK 237
Db 180 TVSNNSGALTSQVHTFPFPAVLQSSGLYSLSVTVVPSSSLGITQTYICNVNHNKPSNTKVDK 239
Qy 238 VEPKSCDKHTCPCPAPBELLGGPSVFLPPPKKOTLMISRTPEVTCVVDVSHEDPEVK 297
Db 240 VEPKSCDKHTCPCPAPBELLGGPSVFLPPPKKOTLMISRTPEVTCVVDVSHEDPEVK 299
Qy 298 FNMVYDGVENNAKTKPREQVYTLVHODMLNGKEYCKVSNKALPAPIEK 357

Db 300 FNMVYDGVENNAKTKPREQVYTLVHODMLNGKEYCKVSNKALPAPIEK 359
Qy 358 TISKAKGPREQVYTLPPSRREMTKNQVSLTCLVKGYFSPDIAVEMESNGQPENNYKTT 417
Db 360 TISKAKGPREQVYTLPPSRREMTKNQVSLTCLVKGYFSPDIAVEMESNGQPENNYKTT 419
Qy 418 PPVLSDGSFFLYSKLTVDKSRMOQGNVFSQVMEHALNHNHTOKSLSLSPGK 470
Db 420 PPVLSDGSFFLYSKLTVDKSRMOQGNVFSQVMEHALNHNHTOKSLSLSPGK 472

RESULT 10

US-09-485-737B-67

Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buysse, Marie-Ange
APPLICANT: Sablon, Erwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.4%; Score 2174; DB 4; Length 468;
Best Local Similarity 88.0%; Pred. No. 1.7e-155;
Matches 409; Conservative 21; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATATGVHSQVQLVDSGAEVKKPKASVTVSCASGYTFTSYMMQWVKAQAPGGL 65
Db 7 IIFSLISASVILSGLQVQLVDSGSELKPKASVTVSCASGYTFTSYMMQWVKAQAPGGLK 66
Qy 66 WMGEIDSDSTYNNOKFKGKATLTVDSTSTAYMELSSLRSEDTAVYYCARNDYSNNW 125
Db 67 WMGINITYTGESTYVDPKGRFVFLSDTSVSAAYLQISLKAEDTATYFCARRGFA--- 123
Qy 126 YFDWVGEGLTVYSSASTKPSVFPPLAPSSKTSGGTALGCLVKDYFPEPVTVSNMGA 185
Db 124 -MDYWGCGTLYTVSSASTKPSVFPPLAPSSKTSGGTALGCLVKDYFPEPVTVSNMGA 182
Qy 186 LTSGVHTFPFPAVLQSSGLYSLSVTVVPSSSLGITQTYICNVNHNKPSNTKVDKRVPKS 245
Db 183 LTSGVHTFPFPAVLQSSGLYSLSVTVVPSSSLGITQTYICNVNHNKPSNTKVDKRVPKS 242
Qy 246 THTPCPAPBELLGGPSVFLPPPKKOTLMISRTPEVTCVVDVSHEDPEVKFNMVYDGV 305
Db 243 THTPCPAPBELLGGPSVFLPPPKKOTLMISRTPEVTCVVDVSHEDPEVKFNMVYDGV 302
Qy 306 EVHNAKTKPREQVYTLVHODMLNGKEYCKVSNKALPAPIEKTISKAKGQ 365
Db 303 EVHNAKTKPREQVYTLVHODMLNGKEYCKVSNKALPAPIEKTISKAKGQ 362
Qy 366 PREQVYTLPPSRREMTKNQVSLTCLVKGYFSPDIAVEMESNGQPENNYKTTPEVLSDG 425
Db 363 PREQVYTLPPSRREMTKNQVSLTCLVKGYFSPDIAVEMESNGQPENNYKTTPEVLSDG 422
Qy 426 SFLYSKLTVDKSRMOQGNVFSQVMEHALNHNHTOKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTKSLSLSPGK 467

RESULT 11

US-09-485-737B-90

Sequence 90, Application US/09485737B

Patent No. 6350860

GENERAL INFORMATION:

APPLICANT: Buyse, Marie-Ange

Applicant: Sablon, Edwin

TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS

FILE REFERENCE: INNS: 015

CURRENT APPLICATION NUMBER: US/09/485, 737B

CURRENT FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: PCT/EP 96/05165

PRIOR FILING DATE: 1998-08-14

PRIOR APPLICATION NUMBER: EPO 96870139.7

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: EPO 97870122.5

PRIOR FILING DATE: 1997-08-18

NUMBER OF SEQ ID NOS: 104

SOFTWARE: Patent version 3.0

SEQ ID NO 90

LENGTH: 711

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.4%; Score 2174; DB 4; Length 711;

Best Local Similarity 88.0%; Pred. No. 3e-155;

Matches 409; Conservative 21; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATGVSQVQVLOSAGAEVKKKGASVKVSCKASGTYFTSYMMQWYKQAPGQGLE 65

Db 7 IFSFLILASAVIISQVLOVVGSGSELKKGASVKISCKASGTYFTFDYGNMVKQAPGQGLK 66

Qy 66 WNGEIDPSDSTYNNQKPKKATLTVDTSSTAYMELSLRSEDTAVYYCARNRDYSNNW 125

Db 67 WMGWINVTGSESTYVDVDFKGRFVFSLDTSVSAAYLQISLKAEDTATYFCARRGFRYA-- 123

Qy 126 YFDVWNGEGLTYVTSASSTKGPVFPPLAPSSKTSGGTAALGCLVQDYPEPEVTYVSNWSGA 185

Db 124 -MDTWGGGITYVTSASSTKGPVFPPLAPSSKTSGGTAALGCLVQDYPEPEVTYVSNWSGA 182

Qy 186 LITSGVHTFPVAVLOSGLYSLSVTVTPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDK 245

Db 183 LITSGVHTFPVAVLOSGLYSLSVTVTPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDK 242

Qy 246 THTCPCPCAPPELLCGPSVFLPPPKPKDTLMSRTPEVTQVVDVSHEDPEVKFNWYVDGV 305

Db 243 THTCPCPCAPPELLCGPSVFLPPPKPKDTLMSRTPEVTQVVDVSHEDPEVKFNWYVDGV 302

Qy 306 EYVNAKTKPREQVNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAKGQ 365

Db 303 EYVNAKTKPREQVNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAKGQ 362

Qy 366 PREQVNTLPPSRREMTKNQVSLTCLVGFPSDIAVWESNGQPENNYKTTTPVLDSGD 425

Db 363 PREQVNTLPPSRREMTKNQVSLTCLVGFPSDIAVWESNGQPENNYKTTTPVLDSGD 422

Qy 426 SFPLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTKSLSLSPGK 467

RESULT 12

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

Applicant: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/934, 373C

FILING DATE: 21-Aug-1992

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05126

FILING DATE: 15-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

APPLICATION DATA:

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-07-934-373C-22

Query Match 85.9%; Score 2161.5; DB 2; Length 454;

Best Local Similarity 89.4%; Pred. No. 1.4e-154;

Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;

Qy 20 QVQVLOSAGAEVKKKGASVKVSCKASGTYFTSYMMQWYKQAPGQLEWNGEIDPSDSTYNN 79

Db 1 QVQVLOSAGAEVKKKGASVKISCKTSGYFTFTYTHMMKQSHGKSLWIGGFNPKNGGSSH 60

Qy 80 NQKFKGATLTVDTSSTAYMELSLRSEDTAVYYCARNRDYSNNW--YFDVWNGEGLTY 136

Db 61 NQKFMADKATLAVDSSTAYMELSLRSEDSGITTCARWGLNAGFDVRYFDVWAGATTV 120

Qy 137 TVSSASTKGPVFPPLAPSSKTSGGTAALGCLVQDYPEPEVTYVSNWSGALTSGVHTFPVAV 196

Db 121 TVSSASTKGPVFPPLAPSSKTSGGTAALGCLVQDYPEPEVTYVSNWSGALTSGVHTFPVAV 180

Qy 197 LOSGGLYSLSVTVTPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDKTHTCPCPCAPE 256

Db 181 LOSGGLYSLSVTVTPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDKTHTCPCPCAPE 240

Qy 257 LLGGPSVFLPPPKPKDTLMSRTPEVTQVVDVSHEDPEVKFNWYVDGVEVNAKTKPRE 316

Db 241 LLGGPSVFLPPPKPKDTLMSRTPEVTQVVDVSHEDPEVKFNWYVDGVEVNAKTKPRE 300

Qy 317 EQVNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREQVNTLPP 376

Db 301 EQVNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREQVNTLPP 360

Qy 377 SREMTKNQVSLTCLVGFPSDIAVWESNGQPENNYKTTTPVLDSGDGFFLYSKLTVD 436

Db 361 SREMTKNQVSLTCLVGFPSDIAVWESNGQPENNYKTTTPVLDSGDGFFLYSKLTVD 420

Qy 437 KSRWQGNVFSCSVMHEALHNHYTKSLSLSPGK 470

QY 137 TVSSASTKGPSEVFLAPBSKSTSGTAAAGCLVNDYPEPEVTVSNNGALTSVHTFPAY 196
DB 121 TVSSASTKGPSEVFLAPBSKSTSGTAAAGCLVNDYPEPEVTVSNNGALTSVHTFPAY 180
QY 197 LOSGGLYSLSSVTVTPSSSLGTQYICVNNHPSNTKVDKVEPKSCDKHTCPCPAPE 256
DB 181 LOSGGLYSLSSVTVTPSSSLGTQYICVNNHPSNTKVDKVEPKSCDKHTCPCPAPE 240
QY 257 LLGGPSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDDEVKFNMYVDGVEVNAKTKPRE 316
DB 241 LLGGPSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDDEVKFNMYVDGVEVNAKTKPRE 300
QY 317 EQNSTYRVSVLTVLHODMNGEKYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 376
DB 301 EQNSTYRVSVLTVLHODMNGEKYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 360
QY 377 SREEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 436
DB 361 SREEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
QY 437 KSRMOQGNVFCVSMHEALHNHYTOKSLSPGK 470
DB 421 KSRMOQGNVFCVSMHEALHNHYTOKSLSPGK 454

RESULT 15

PCT-US93-07832-22
Sequence 22, Application PC/TUS9307832
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patlin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/07832
FILING DATE: 19930820
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 709P2PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US93-07832-22

Query Match 85.9%, Score 2161.5, DB 5, Length 454;

Best Local Similarity 89.4%, Pred. No. 1.4e-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;
QY 20 QVQLVQSGAEVKKRQASVKYSCKASGTFSTYNNQWYKQAPGQLEMMGEIDPSDSTNY 79
DB 1 QVQLVQSGAEVKKRQASVKYSCKASGTFSTYNNQWYKQAPGQLEMMGEIDPSDSTNY 60
QY 80 NQPKRATLVDPDSTSTAAVIELSLRSEDPDAVYVCARNRDYSNNW--YFDVNGEGTLV 136
DB 61 NQPKRATLVDPDSTSTAAVIELSLRSEDPDAVYVCARNRDYSNNW--YFDVNGEGTLV 120
QY 137 TVSSASTKGPSEVFLAPBSKSTSGTAAAGCLVNDYPEPEVTVSNNGALTSVHTFPAY 196
DB 121 TVSSASTKGPSEVFLAPBSKSTSGTAAAGCLVNDYPEPEVTVSNNGALTSVHTFPAY 180
QY 197 LOSGGLYSLSSVTVTPSSSLGTQYICVNNHPSNTKVDKVEPKSCDKHTCPCPAPE 256
DB 181 LOSGGLYSLSSVTVTPSSSLGTQYICVNNHPSNTKVDKVEPKSCDKHTCPCPAPE 240
QY 257 LLGGPSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDDEVKFNMYVDGVEVNAKTKPRE 316
DB 241 LLGGPSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDDEVKFNMYVDGVEVNAKTKPRE 300
QY 317 EQNSTYRVSVLTVLHODMNGEKYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 376
DB 301 EQNSTYRVSVLTVLHODMNGEKYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 360
QY 377 SREEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 436
DB 361 SREEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
QY 437 KSRMOQGNVFCVSMHEALHNHYTOKSLSPGK 470
DB 421 KSRMOQGNVFCVSMHEALHNHYTOKSLSPGK 454

Search completed: February 20, 2004, 13:35:06
Job time : 16.5872 secs

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Mon Feb 23 07:54:33 2004

us-09-499-662-117.rapb

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-117

Perfect score: 2517
Sequence: 1 MGSICILFLVATVGVHSQ.....MHEALNHVYQKSLISPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2517	100.0	470	US-10-384-933-117	Sequence 117, App
2	2517	100.0	470	US-10-216-484-117	Sequence 117, App
3	2514	99.9	470	US-10-384-933-143	Sequence 143, App
4	2514	99.9	470	US-10-216-484-143	Sequence 143, App
5	2512	99.8	470	US-10-384-933-145	Sequence 145, App
6	2512	99.8	470	US-10-216-484-145	Sequence 145, App
7	2511	99.8	470	US-10-384-933-147	Sequence 147, App
8	2511	99.8	470	US-10-216-484-147	Sequence 147, App
9	2504	99.5	470	US-10-384-933-89	Sequence 89, App
10	2498	99.2	470	US-10-384-933-157	Sequence 157, App
11	2498	99.2	470	US-10-216-484-157	Sequence 157, App
12	2343.5	93.1	731	US-09-825-012-46	Sequence 46, App
13	2343.5	93.1	731	US-09-825-012-55	Sequence 55, App
14	2338.5	92.9	723	US-09-825-012-52	Sequence 52, App
15	2338.5	92.9	723	US-09-825-012-52	Sequence 52, App

15	2338.5	92.9	739	10	US-09-825-012-61	Sequence 61, App
16	2332.5	92.7	730	10	US-09-825-012-49	Sequence 49, App
17	2332.5	92.7	740	10	US-09-825-012-58	Sequence 58, App
18	2332.5	92.7	740	10	US-09-825-012-58	Sequence 58, App
19	2285.5	90.6	469	12	US-10-377-121-18	Sequence 22, App
20	2280.5	89.8	469	12	US-10-377-121-22	Sequence 22, App
21	2261	89.8	476	12	US-10-225-108A-16	Sequence 9, App
22	2261	89.8	476	12	US-10-461-148-9	Sequence 41, App
23	2255.5	89.6	467	12	US-10-353-708-41	Sequence 47, App
24	2255.5	89.6	467	12	US-10-353-708-47	Sequence 59, App
25	2255.5	89.6	467	12	US-10-353-708-59	Sequence 47, App
26	2255.5	89.6	467	12	US-10-171-452A-41	Sequence 59, App
27	2255.5	89.6	467	15	US-10-171-452A-47	Sequence 53, App
28	2255.5	89.6	467	15	US-10-171-452A-59	Sequence 53, App
29	2252.5	89.5	467	12	US-10-353-708-53	Sequence 43, App
30	2252.5	89.5	467	15	US-10-171-452A-53	Sequence 43, App
31	2252	89.5	476	10	US-10-159-006-43	Sequence 2, App
32	2252	89.5	476	10	US-09-747-669-3	Sequence 2, App
33	2252	89.5	476	10	US-10-290-703-3	Sequence 2, App
34	2235.5	88.4	448	12	US-10-378-567-2	Sequence 15, App
35	2222.5	88.3	448	12	US-10-409-938-15	Sequence 48, App
36	2222.5	88.3	448	12	US-10-353-708-48	Sequence 48, App
37	2222.5	88.3	448	12	US-10-353-708-60	Sequence 48, App
38	2222.5	88.3	448	15	US-10-171-452A-48	Sequence 60, App
39	2222.5	88.3	448	15	US-10-171-452A-60	Sequence 60, App
40	2222.5	88.3	448	12	US-10-104-047-3329	Sequence 3329, App
41	2219.5	88.2	448	12	US-10-353-708-42	Sequence 42, App
42	2219.5	88.2	448	12	US-10-353-708-54	Sequence 42, App
43	2219.5	88.2	448	15	US-10-171-452A-42	Sequence 54, App
44	2219.5	88.2	448	15	US-10-171-452A-54	Sequence 54, App
45	2206.5	87.7	477	12	US-10-108-260A-4289	Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US00030170817A1
; GENERAL INFORMATION:
; APPLICANT: Sertizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117
Query Match 100.0%; Score 2517; DB 12; Length 470;
Best local Similarity 100.0%; Pred. No. 7.9e+16; Indels 0; Gaps 0;
Matches 470; Conservative 0; Mismatches 0;
QY 1 MGSICILFLVATVGVHSQVGVVSGAVKPKGASVSKVSCASGYTFTSYMMQVYKAP 60
Db 1 MGSICILFLVATVGVHSQVGVVSGAVKPKGASVSKVSCASGYTFTSYMMQVYKAP 60
QY 61 GGGEEWEEIDPSSTNYNQKGGKATLTVDISTATMEISSLSEPTAVYVCAARRD 120

Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDIAVYTCARRD 120
Qy 121 YSNMNYFDVWGEGLTVTVSSASTKGPVPLAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Db 121 YSNMNYFDVWGEGLTVTVSSASTKGPVPLAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTKVDKVERP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTKVDKVERP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVDVSHEDPEVKNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVDVSHEDPEVKNW 300
Qy 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSPGK 470

RESULT 2

US-10-216-484-117
; Sequence 117, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-117

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 7.9e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQVKAAP 60
Db 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQVKAAP 60
Qy 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDIAVYTCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDIAVYTCARRD 120
Qy 121 YSNMNYFDVWGEGLTVTVSSASTKGPVPLAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Db 121 YSNMNYFDVWGEGLTVTVSSASTKGPVPLAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTKVDKVERP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTKVDKVERP 240

Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTKVDKVERP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVDVSHEDPEVKNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVDVSHEDPEVKNW 300
Qy 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNOVSLTCLVKGFPSDIAVEMESNGQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTQKSLSPGK 470

RESULT 3

US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 99.9%; Score 2514; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 1.3e-165;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQVKAAP 60
Db 1 MGSACILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQVKAAP 60
Qy 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDIAVYTCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNOKFKGKATLTVDTSTSTAYMELSLRSEDIAVYTCARRD 120
Qy 121 YSNMNYFDVWGEGLTVTVSSASTKGPVPLAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Db 121 YSNMNYFDVWGEGLTVTVSSASTKGPVPLAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTKVDKVERP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHKPSTKVDKVERP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVDVSHEDPEVKNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPKPKDITLMISRTPEVTCVVDVSHEDPEVKNW 300
Qy 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKTKREBOYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360

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Db      301 YVDGVEVHNAKTKPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Qy      361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPNNTKTPPV 420
Db      361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPNNTKTPPV 420
Qy      421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNHYTOKSLSPGK 470
Db      421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNHYTOKSLSPGK 470

RESULT 4
US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-143

Query Match      99.9%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 1.3e-165; Indels 0; Gaps 0;
Matches 469; Conservative 1; Mismatches 0;

Qy      1 MGSNCILFLVATATGVSQVQLVDSGAEVKKPKASVYVSCASGYTFTSYMMQWYQAP 60
Db      1 MGSNCILFLVATATGVSQVQLVDSGAEVKKPKASVYVSCASGYTFTSYMMQWYQAP 60
Qy      61 GQGLEMMGEIDPSDSTNNQKFKGKATLTVDSTSTAYMELSLRSBDTAVYYCARRND 120
Db      61 GQGLEMMGEIDPSDSTNNQKFKGKATLTVDSTSTAYMELSLRSBDTAVYYCARRND 120
Qy      121 YSNMVFVWGEGLTVVTSASSTKGPSVFPLPSSKSTSGTALAIGLVKDIFPEPVYVS 180
Db      121 YSNMVFVWGEGLTVVTSASSTKGPSVFPLPSSKSTSGTALAIGLVKDIFPEPVYVS 180
Qy      181 WNSGALTSGVHTFPAVLQSSGLYSISVYTPSSSLGTQTYICNVNHPKSNTRKVDKVEP 240
Db      181 WNSGALTSGVHTFPAVLQSSGLYSISVYTPSSSLGTQTYICNVNHPKSNTRKVDKVEP 240
Qy      241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRPEVTCVVDVSHEDPEVFNW 300
Db      241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRPEVTCVVDVSHEDPEVFNW 300
Qy      301 YVDGVEVHNAKTKPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db      301 YVDGVEVHNAKTKPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Qy      361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPNNTKTPPV 420
Db      361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPNNTKTPPV 420
Qy      421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNHYTOKSLSPGK 470
Db      421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNHYTOKSLSPGK 470

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Db      421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNHYTOKSLSPGK 470

RESULT 5
US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1ufusa
; GENERAL INFORMATION:
; APPLICANT: Setizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-145

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Query Match      99.8%; Score 2512; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.8e-165; Indels 0; Gaps 0;
Matches 468; Conservative 2; Mismatches 0;

Qy      1 MGSNCILFLVATATGVSQVQLVDSGAEVKKPKASVYVSCASGYTFTSYMMQWYQAP 60
Db      1 MGSNCILFLVATATGVSQVQLVDSGAEVKKPKASVYVSCASGYTFTSYMMQWYQAP 60
Qy      61 GQGLEMMGEIDPSDSTNNQKFKGKATLTVDSTSTAYMELSLRSBDTAVYYCARRND 120
Db      61 GQGLEMMGEIDPSDSTNNQKFKGKATLTVDSTSTAYMELSLRSBDTAVYYCARRND 120
Qy      121 YSNMVFVWGEGLTVVTSASSTKGPSVFPLPSSKSTSGTALAIGLVKDIFPEPVYVS 180
Db      121 YSNMVFVWGEGLTVVTSASSTKGPSVFPLPSSKSTSGTALAIGLVKDIFPEPVYVS 180
Qy      181 WNSGALTSGVHTFPAVLQSSGLYSISVYTPSSSLGTQTYICNVNHPKSNTRKVDKVEP 240
Db      181 WNSGALTSGVHTFPAVLQSSGLYSISVYTPSSSLGTQTYICNVNHPKSNTRKVDKVEP 240
Qy      241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRPEVTCVVDVSHEDPEVFNW 300
Db      241 KSCDKHTHTCPCPAPPELLGSPSVFLPPPKKDTLMISRPEVTCVVDVSHEDPEVFNW 300
Qy      301 YVDGVEVHNAKTKPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db      301 YVDGVEVHNAKTKPREBOYNSTRVVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Qy      361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPNNTKTPPV 420
Db      361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPNNTKTPPV 420
Qy      421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNHYTOKSLSPGK 470
Db      421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNHYTOKSLSPGK 470

RESULT 6
US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:

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APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-145

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1,8e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
QY 61 GQGLMMGEIDPSSTYNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
DB 61 GQGLMMGEIDPSSTYNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
QY 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
DB 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
QY 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
DB 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
QY 181 WNSGALTSGVTFPAVLQSSGLYSLSGVTVPSLSLGTQYIICVNHKPSNTKYDKVEP 240
DB 181 WNSGALTSGVTFPAVLQSSGLYSLSGVTVPSLSLGTQYIICVNHKPSNTKYDKVEP 240
QY 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
DB 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTQKSLSLSPGK 470

RESULT 7
US-10-384-933-147
Sequence 147, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-147

Query Match 99.8%; Score 2511; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 2,1e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
QY 61 GQGLMMGEIDPSSTYNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
DB 61 GQGLMMGEIDPSSTYNQKFKGKATLVDTSTAYMELSLRSEDVAVYVCARNRD 120
QY 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
DB 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
QY 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
DB 121 YSNWYFDVWGEGLTVYVSSASTGSPVFLPAPSKSTSGGTALGCLVQDYFPEPTVS 180
QY 181 WNSGALTSGVTFPAVLQSSGLYSLSGVTVPSLSLGTQYIICVNHKPSNTKYDKVEP 240
DB 181 WNSGALTSGVTFPAVLQSSGLYSLSGVTVPSLSLGTQYIICVNHKPSNTKYDKVEP 240
QY 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGSPVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
DB 301 YVDGEVHNATKREEDQYNSTYRVSVLTALHODMNLGKRYCKVSNKALPALEKTIIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRWQOGNVFSCSVNHEALHNHYTQKSLSLSPGK 470

RESULT 8
US-10-216-484-147
Sequence 147, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

Query Match 99.8%; Score 2511; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 2,1e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSBDTAVYYCARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSBDTAVYYCARNRD 120
QY 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
DB 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
QY 181 WNSGALTSGVATFPAVLQSSGLYSLSVYTPSSSLGTQYICVNHKPSNTKVDKVEP 240
DB 181 WNSGALTSGVATFPAVLQSSGLYSLSVYTPSSSLGTQYICVNHKPSNTKVDKVEP 240
QY 241 KSCDKHTCPCPAPELLGSPVFLPPPKDPTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPELLGSPVFLPPPKDPTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREBOYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKREBOYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNQPENNYKTTTPV 420
QY 421 LDSGSFPLYSKLTVDKSRWQGNVFCSVNHEALHNHYTKSLSPGK 470
DB 421 LDSGSFPLYSKLTVDKSRWQGNVFCSVNHEALHNHYTKSLSPGK 470

RESULT 9
US-10-384-933-89

Sequence 89, Application US/10384933
Publication No. US20030170817A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-89

Query Match 99.5%; Score 2504; DB 12; Length 470;

Best Local Similarity 99.6%; Pred. No. 6,2e-165;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSBDTAVYYCARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSBDTAVYYCARNRD 120
QY 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
DB 121 YSNMWYFDVWGEGLVTYVSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
QY 181 WNSGALTSGVATFPAVLQSSGLYSLSVYTPSSSLGTQYICVNHKPSNTKVDKVEP 240
DB 181 WNSGALTSGVATFPAVLQSSGLYSLSVYTPSSSLGTQYICVNHKPSNTKVDKVEP 240
QY 241 KSCDKHTCPCPAPELLGSPVFLPPPKDPTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPELLGSPVFLPPPKDPTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREBOYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKREBOYNSTYRVSVLTALHODMNGEKYCKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNQPENNYKTTTPV 420
QY 421 LDSGSFPLYSKLTVDKSRWQGNVFCSVNHEALHNHYTKSLSPGK 470
DB 421 LDSGSFPLYSKLTVDKSRWQGNVFCSVNHEALHNHYTKSLSPGK 470

RESULT 10
US-10-216-484-89

Sequence 89, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89

Query Match 99.5%; Score 2504; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 6,2e-165;
Matches 468; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATLVDTSTSTAYMELSLRSBDTAVYYCARNRD 120

```
Db 61 GORLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYVCARRD 120
Qy 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYFPEPVVS 180
Db 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSGVHTPAVYVQSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKYDKRVEP 240
Db 181 WNSGALTSGVHTPAVYVQSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKYDKRVEP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPPKPDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPPKPDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGKRYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGKRYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSDGSFPLYSKLTVDKSRMQQGVNFCSCVWHEALHNHYTQKSLSLSPGK 470
Db 421 LDSDGSFPLYSKLTVDKSRMQQGVNFCSCVWHEALHNHYTQKSLSLSPGK 470
```

RESULT 11

```
US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157
```

```
Query Match 99.2%; Score 2498; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 1.6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSTYMQMVAQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSTYMQMVAQAP 60
Qy 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYVCARRD 120
Db 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYVCARRD 120
Qy 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYFPEPVVS 180
Db 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSGVHTPAVYVQSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKYDKRVEP 240
```

```
Db 181 WNSGALTSGVHTPAVYVQSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKYDKRVEP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPPKPDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPPKPDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGKRYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGKRYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSDGSFPLYSKLTVDKSRMQQGVNFCSCVWHEALHNHYTQKSLSLSPGK 470
Db 421 LDSDGSFPLYSKLTVDKSRMQQGVNFCSCVWHEALHNHYTQKSLSLSPGK 470
```

RESULT 12

```
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157
```

```
Query Match 99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 1.6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSTYMQMVAQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPKASVAVSCAKSGYFTSTYMQMVAQAP 60
Qy 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYVCARRD 120
Db 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDIAVYVCARRD 120
Qy 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYFPEPVVS 180
Db 121 YSNMWYDWMGEGLTVYSSASTKGPVSFPLAPSKSTSGGTAALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSGVHTPAVYVQSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKYDKRVEP 240
Db 181 WNSGALTSGVHTPAVYVQSSGLYSLSVTVVPSSSLGTQYIICVNNHKPSNTKYDKRVEP 240
Qy 241 KSCDKHTCPCPAPELLGSPVFLFPPKPDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTCPCPAPELLGSPVFLFPPKPDITLMISRTPEVTCVVVDVSHEDDEVKFNW 300
Qy 301 YVDGEVHNAKTKREEQYNSTRVSVLTVLHODMLNGKRYKCKVSNKALPAPIEKTIS 360
```

Db YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
QY 421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 470

RESULT 13
US-09-825-012-46
Sequence 46, Application US/09825012
Patent No. US20020122798A1
GENERAL INFORMATION:
APPLICANT: Young, Robert
TITLE OF INVENTION: Compounds for Targeting
FILE REFERENCE: 43191-256808
CURRENT FILING DATE: 2001-04-03
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: US 60/237,159
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 102
SOFTWARE: Patent version 3.1
SEQ ID NO 46
LENGTH: 731
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Humanised HMFgl heavy chain - Dnaase I fusion
US-09-825-012-46

Query Match 93.1%; Score 2343.5; DB 10; Length 731;
Best Local Similarity 92.8%; Pred. No. 1.3e-153;
Matches 436; Conservative 21; Mismatches 10; Indels 3; Gaps 1;
QY 1 MGMSCTLLFLVATATGVHSQVQLVDSGAEVKKPKASVYVSCKASGTFPTSYMMQWYKQAP 60
Db 1 MGMSCTLLFLVATATGVHSQVQLVDSGAEVKKPKASVYVSCKASGTFPTSYMMQWYKQAP 60
QY 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
Db 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
QY 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
Db 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
QY 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 240
Db 181 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 240
QY 178 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 237
Db 178 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 237
QY 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
QY 301 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 360
QY 298 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
QY 358 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 417
Db 358 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 417
QY 421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 470
QY 418 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 467
Db 418 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 467

RESULT 14
US-09-825-012-55
Sequence 55, Application US/09825012
Patent No. US20020122798A1
GENERAL INFORMATION:
APPLICANT: Young, Robert
TITLE OF INVENTION: Compounds for Targeting
FILE REFERENCE: 43191-256808
CURRENT FILING DATE: 2001-04-03
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: US 60/237,159
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 102
SOFTWARE: Patent version 3.1
SEQ ID NO 55
LENGTH: 741
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Humanised HMFgl heavy chain - Dnaase I fusion
US-09-825-012-55

Query Match 93.1%; Score 2343.5; DB 10; Length 741;
Best Local Similarity 92.8%; Pred. No. 1.3e-153;
Matches 436; Conservative 21; Mismatches 10; Indels 3; Gaps 1;
QY 1 MGMSCTLLFLVATATGVHSQVQLVDSGAEVKKPKASVYVSCKASGTFPTSYMMQWYKQAP 60
Db 1 MGMSCTLLFLVATATGVHSQVQLVDSGAEVKKPKASVYVSCKASGTFPTSYMMQWYKQAP 60
QY 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
Db 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
QY 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
Db 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
QY 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
Db 61 GQGLEWMEGLDPSDSTYTNOKFKGKATLVDTSTAYMELSLRSRSDTAIVYICARND 120
QY 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
Db 121 YSNWYFDVWGEGLTVTSASATKGPSVFLPAPSSKSTSGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 240
Db 181 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 240
QY 178 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 237
Db 178 WNSGALTSGVHTFPAVALQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKSNLKVDKRP 237
QY 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCDKHTCPCPAPPELLGPGSVFLPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
QY 301 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 360
QY 298 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAAKTKREDOYNSYTRVSVTLVHODMLNGEKYCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
QY 358 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 417
Db 358 KAKGQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 417
QY 421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 470
QY 418 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 467
Db 418 LDSGSPFLYSKLTVDKSRMOQGNVFSQVMEHALHNYTOKSLISLSPGK 467

RESULT 15
US-09-825-012-52
Sequence 52, Application US/09825012
Patent No. US20020122798A1
GENERAL INFORMATION:
APPLICANT: Young, Robert
TITLE OF INVENTION: Compounds for Targeting
FILE REFERENCE: 43191-256808
CURRENT FILING DATE: 2001-04-03
PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: GB 0008049.9
 ; PRIOR FILING DATE: 2000-04-03
 ; NUMBER OF SEQ ID NOS: 102
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 52
 ; LENGTH: 729
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
 US-09-825-012-52

Query Match 92.9%; Score 2338.5; DB 10; Length 729;
 Best Local Similarity 92.8%; Pred. No. 2.8e-153;
 Matches 435; Conservative 21; Mismatches 10; Indels 3; Gaps 1;

QY	1	MGWSCIILFLVATNGVHSGVQVLVOSGAEVKPKGASVSCASGYFTSYMMQMVQAP	60
DB	1	MGWSCIILFLVATNGVHSGVQVLVOSGAEVKPKGASVSCASGYFTSYMMQMVQAP	60
QY	61	GQGLEMMGEIDPSDYTNVQKFKGKATLVDTSTSTAYMEISLRSEDTAVYYCARNRD	120
DB	61	GKGLEMMGEIDPSDYTNVQKFKGKATLVDTSTSTAYMEISLRSEDTAVYYCARNRD	120
QY	121	YSNNMYFDVWGEGLVTYSSASTKGPSVPLAPSKSTSGGTALGCLVKDYFPEPVTS	180
DB	121	FA--WFAVWQGLVTYSSASTKGPSVPLAPSKSTSGGTALGCLVKDYFPEPVTS	177
QY	181	WNSGALTSGVTFPAVLQSSGLYSLSVTVPPSSISLGTQTYICNVNHRPSNTKVDKRYEP	240
DB	178	WNSGALTSGVTFPAVLQSSGLYSLSVTVPPSSISLGTQTYICNVNHRPSNTKVDKRYEP	237
QY	241	KSCDKHTCPCPAPELIGPSVFLFPKPKDTLMIISRTPEVTCVVDVSHEDPEVKFNW	300
DB	238	KSCDKHTCPCPAPELIGPSVFLFPKPKDTLMIISRTPEVTCVVDVSHEDPEVKFNW	297
QY	301	YVDGEVYHNAKTKPREBOYNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS	360
DB	298	YVDGEVYHNAKTKPREBOYNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS	357
QY	361	KAKGQPREPPVYTLPPSRSEEMTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIPRV	420
DB	358	KAKGQPREPPVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVWESNGQPENNYKTTIPRV	417
QY	421	LDSDGSFELYSKLTVDKSRMQQGNVFSCSVHHEALAHNYTQKSLSLSPG	469
DB	418	LDSDGSFELYSKLTVDKSRMQQGNVFSCSVHHEALAHNYTQKSLSLSPG	466

Search completed: February 20, 2004, 14:25:35
 Job time : 37.6422 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds

(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-127

Perfect score: 1237
Sequence: 1.METDTILMLVTLMLVPGSTG.....EVTHQGLSPVTKSPNRGEC 238

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summariesDatabase : Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUS COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1112	89.9	218	5	PCT-US96-13152-2
2	1100	88.9	218	2	US-08-887-352B-13
3	1100	88.9	218	3	US-08-466-151-9
4	1100	88.9	218	3	US-09-109-207C-13
5	1100	88.9	218	3	US-09-296-005-13
6	1100	88.9	218	4	US-08-466-163B-9
7	1077	87.1	218	3	US-09-282-505-1
8	1077	87.1	218	3	US-09-054-255-1
9	1077	87.1	218	4	US-09-282-846-1
10	1077	87.1	218	4	US-09-680-145-1
11	1074	86.8	218	2	US-08-887-352B-15
12	1074	86.8	218	2	US-08-887-352B-17
13	1074	86.8	218	2	US-08-887-352B-19
14	1074	86.8	218	2	US-08-887-352B-24
15	1074	86.8	218	3	US-09-109-207C-15
16	1074	86.8	218	3	US-09-109-207C-17
17	1074	86.8	218	3	US-09-109-207C-19
18	1074	86.8	218	3	US-09-109-207C-24
19	1074	86.8	218	3	US-09-296-005-15
20	1074	86.8	218	3	US-09-296-005-17
21	1074	86.8	218	3	US-09-296-005-19
22	1074	86.8	218	3	US-09-296-005-24
23	1074	86.8	218	3	US-09-301-593-36
24	1040	84.1	234	4	US-09-740-002-24
25	1022.5	82.7	233	2	US-07-934-373C-25
26	1022.5	82.7	233	3	US-08-437-642B-25
27	1022.5	82.7	233	4	US-08-146-206C-25

28	1022.5	82.7	233	5	PCT-US93-07832-25	Sequence 25, Appl
29	1019	82.4	214	2	US-07-934-373C-39	Sequence 39, Appl
30	1019	82.4	214	2	US-08-437-642B-39	Sequence 39, Appl
31	1019	82.4	214	5	PCT-US93-07832-39	Sequence 39, Appl
32	1014	82.0	214	2	US-07-934-373C-40	Sequence 40, Appl
33	1014	82.0	214	2	US-08-788-800-11	Sequence 11, Appl
34	1014	82.0	214	3	US-08-437-642B-40	Sequence 40, Appl
35	1014	82.0	214	3	US-09-097-309-2	Sequence 2, Appl
36	1014	82.0	214	3	US-09-097-171A-2	Sequence 2, Appl
37	1014	82.0	214	4	US-09-460-587-2	Sequence 2, Appl
38	1014	82.0	214	5	PCT-US93-07832-40	Sequence 40, Appl
39	1014	82.0	237	3	US-09-097-309-6	Sequence 6, Appl
40	1014	82.0	237	3	US-09-097-171A-10	Sequence 10, Appl
41	1014	82.0	237	3	US-09-422-171B-2	Sequence 2, Appl
42	1014	82.0	237	3	US-09-607-756-2	Sequence 2, Appl
43	1014	82.0	237	3	US-09-460-587-6	Sequence 6, Appl
44	1010.5	81.7	242	3	US-09-027-449-62	Sequence 62, Appl
45	1010.5	81.7	242	3	US-09-026-985-62	Sequence 62, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSER: Felfe & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 89.9%, Score 1112, DB 5, Length 218;
Best Local Similarity 98.2%, Pred. No. 6.5e-87;
Matches 214, Conservative 2, Mismatches 2, Indels 0, Gaps 0;

QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 218

RESULT 4
US-09-109-207C-13

; Sequence 13, Application US/09109207C
; Patent No. 6172213
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of Improving Polypeptide
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/09/109,207C
; CURRENT FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 13
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-218
; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

Query Match 88.9%; Score 1100; DB 3; Length 218;
Best Local Similarity 97.7%; Pred. No. 6,7e-86;
Matches 213; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTITTCRASQSDVDGDSYNNMWYQOKPKAKPLIYAASNIES 80
Db 1 DIGLTGSPSSLSASVGRVTITTCRASQSDVDGDSYNNMWYQOKPKAKPLIYAASNIES 60
QY 81 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGQGTVEIKRTVAAPSVF 140
Db 61 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPRKAKVQMKVDNALQSGNSQESVTEQDSKSTYSLS 200
Db 121 IFPPSDQLKSGTASVCLNNFYPRKAKVQMKVDNALQSGNSQESVTEQDSKSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 218

RESULT 5
US-09-296-005-13

; Sequence 13, Application US/09296005
; Patent No. 6290957
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123C1
; CURRENT APPLICATION NUMBER: US/09/296,005
; CURRENT FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 08/887,352
; EARLIER FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 13
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-218
; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-296-005-13

Query Match 88.9%; Score 1100; DB 3; Length 218;
Best Local Similarity 97.7%; Pred. No. 6,7e-86;
Matches 213; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTITTCRASQSDVDGDSYNNMWYQOKPKAKPLIYAASNIES 80
Db 1 DIGLTGSPSSLSASVGRVTITTCRASQSDVDGDSYNNMWYQOKPKAKPLIYAASNIES 60
QY 81 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGQGTVEIKRTVAAPSVF 140
Db 61 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPRKAKVQMKVDNALQSGNSQESVTEQDSKSTYSLS 200
Db 121 IFPPSDQLKSGTASVCLNNFYPRKAKVQMKVDNALQSGNSQESVTEQDSKSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 218

RESULT 6
US-08-466-163B-9

; Sequence 9, Application US/08466163B
; Patent No. 6329509
; GENERAL INFORMATION:
; APPLICANT: Jardiou, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; FILE REFERENCE: P0718P2C1D1
; CURRENT APPLICATION NUMBER: US/08/466,163B
; CURRENT FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 9
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: humanized mae11, version 1, light chain
US-08-466-163B-9

Query Match 88.9%; Score 1100; DB 4; Length 218;
Best Local Similarity 97.7%; Pred. No. 6,7e-86;
Matches 213; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTITTCRASQSDVDGDSYNNMWYQOKPKAKPLIYAASNIES 80
Db 1 DIGLTGSPSSLSASVGRVTITTCRASQSDVDGDSYNNMWYQOKPKAKPLIYAASNIES 60
QY 81 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGQGTVEIKRTVAAPSVF 140
Db 61 GVPSRFGSGSGGTDTFTLTISLQPEDPATYTCQOSNEPRTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPRKAKVQMKVDNALQSGNSQESVTEQDSKSTYSLS 200
Db 121 IFPPSDQLKSGTASVCLNNFYPRKAKVQMKVDNALQSGNSQESVTEQDSKSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 238
Db 181 STLTLSKADYKHKVYACEVTHQGLSSPVTSGFNRGEC 218

RESULT 7
US-09-282-505-1
; Sequence 1, Application US/09282505A

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: Patent No. 6194551
: GENERAL INFORMATION:
: APPLICANT: Esche Bknaadese Indusgie et al.
: TITLE OF INVENTION: polypeptide Variants
: FILE REFERENCE: P1266R1
: CURRENT APPLICATION NUMBER: US/09/282,505A
: CURRENT FILING DATE: 1999-03-31
: NUMBER OF SEQ ID NOS: 2
: SEQ ID NO 1
: LENGTH: 218
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: NAME/KEY: Artificial Sequence
: LOCATION: 1-218
: OTHER INFORMATION: Sequence is completely synthesized
: Patent No. 6194551
: US-09-282-505-1

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Query Match	87.1%	Score 1077;	DB 3;	Length 218;
Best Local Similarity	95.9%	Pred. No. 6e-84;		
Matches 209; Conservative	4;	Mismatches 5;	Indels 0;	Gaps 0;

QY	21	DI	VT	QS	PE	SS	LS	AS	VG	DR	VT	IT	TC	RA	QS	AS	VD	YD	GB	SY	MM	WT	QO	PK	PA	PK	LI	YA	AN	LS	80	
Db	1	D	I	O	T	O	S	P	E	S	S	L	S	A	S	V	G	D	R	V	I	T	T	C	R	A	S	Q	S	A	S	60

QY 81 GVPSRFSGGSGDTPTLTISLSLPEDFATYTCQSQNEDPRTFGGSKVELKRTYAAPSVF 140

Db 61 GVPSRFSGGSGDTPTLTISLSLPEDFATYTCQSQNEDPRTFGGSKVELKRTYAAPSVF 120

QY	141	121	Db
IPSPDEQLKSGINAVVCLINNFYREAKYQWKNALQSGNSQGSATVEDDSKISTYLS	200		
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QY	201	STLTLSKADYEKHKVYACEVTHOGI	SS	PVTKS	FNN	GEC	238
DB	181	STLTLSKADYEKHKVYACEVTHOGI	SS	PVTKS	FNN	GEC	218

RESULT 8
ITS-09-054-255-1

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; sequence 1, Application US/09034255
; Patent No. 6242195
; GENERAL INFORMATION:
; APPLICANT: Roche Ekinaduse Idusocje et al

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:
:
: TITLE OF INVENTION: Polypeptide Variants
:
: FILE REFERENCE: P1266
:
: CURRENT APPLICATION NUMBER: US/09/054,255
:
: CURRENT FILING DATE: 1998-04-07
:

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; NUMBER OF SEQ ID NOS: 2
;
; SEQ ID NO 1
; LENGTH: 218
;
; MADS part

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; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: E27 anti-IgB antibody light chain
;
; OS: meta
;
; NC 000001

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Query Match	87.1%;	Score 1077;	DB 3;	Length 218;
Best Local Similarity	95.9%;	Pred No. 6e-84;		
Matches 209;	Conservative	4;	Mismatches	5;
			Indels	0;
			Gaps	0;

Qy	Db
21	1
DIYLTQSPSLASVGRVITTCRAK	DIQLTQSPSLASVGRVITTCRAK
SVYDGDSTNNWYQKPGAPKLIYA	SVYDGDSTNNWYQKPGAPKLIYA
SNLES	SNLES
80	60

QY	81	GVPEPRFSSGSGTDPTLTITSSLOPBDPATYCCQOSNEDPRTFGQGTKEVKRTVAAPSVF	140
Db	61	GVPEPRFSSGSGTDPTLTITSSLOPBDPATYCCQOSNEDPRTFGQGTKEVKRTVAAPSVF	120

QY 141 I P P S D E O L K S G T A S V C L I N F Y P R E A K Y O M K U N A L O S G N S O S Y T E D S K I S T Y S L S 200

Db 12. I P P S D Q L K S G T A V V C L I N N F Y P R A K V Q W K V D N A L Q S N S O S E V T E Q D S K D S T Y S L S 180

Qy 201 S T L T L S K A D E R K R V A C E V T H O G L S P P T S F P N G E C 238

Db 181 S T L T L S K A D E R K R V A C E V T H O G L S P P T S F P N G E C 218

RESULT 9
US-09-282-046-1

Patent No. 6528624
GENERAL INFORMATION:
APPLICANT: Esche Ekinaudese Idusogie et al.

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; TITLE OF PATENT DOCUMENT :
; FILE REFERENCE: P1266R2
; CURRENT APPLICATION NUMBER: US/09/282,846
; CURRENT FILING DATE: 1999-03-31

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; NUMBER OF CPG TO NOC: 2
; SEQ ID NO 1
;
; LENGTH: 218
;
; TYPE: PRT

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/
/ ORGANISM: Artificial Sequence
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/ FEATURE:
/
/ NAME/KEY: Artificial Sequence
/
/ LOCATION: 1-218
/

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OTHER INFORMATION: sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query match	87.1%	Score 1077	DB 4	Length 210
Best Local Similarity	95.9%	Pred. No. 6e-84		
Matches 209; Conservative	4;	Mismatches	5;	Indels 0; Gaps 0

Df

1 D I G L T Q S P S S L S A V G D R V T T C R K S K P V D E G D S T N M W Y Q Q K P G A P K L L Y A A S T L E S 60

Df
61 GVPSPFGSGSCTDFTLTISLQPEPATYCCQSHEDPYTGGTNVEIKRTVAAPSVF 120

Db

121 I P P S D E Q L K S G T A S V C L I N N F Y P R E A K V Q M K D N A L Q S N S Q E S Y T E Q D S K D S T Y S L S 180

Qy	201	STLTLSKADYEKHKRYACEVTHGGLSSPVTKSFNNRSEC	238
Db	181	STLTLSKADYEKHKRYACEVTHGGLSSPVTKSFNNRSEC	218

RESULT 10
US-09-680-145-1

Patent No. 6538124
GENERAL INFORMATION:
APPLICANT: Esche Ekinadese Idusogje et al.

```

; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; CURRENT FILING DATE: 2000-10-03

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; PRIOR FILING DATE: 1999-03-13
 ; NUMBER OF SEQ ID NOS: 2
 ; SEQ ID NO 1

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/ TYPE: PRT
/
/ ORGANISM: Artificial Sequence
/
/ FEATURE:

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; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124

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Query Match 87.1%; Score 1077; DB 4; Length 218;
Best Local Similarity 95.9%; Pred. No. 6e-84; Mismatches 5; Indels 0; Gaps 0;
Matches 209; Conservative 4;

QY 21 DIVLTGSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQOKPKAPKLLIYAASNLS 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQOKPKAPKLLIYAASNLS 60

QY 81 GVPSRFSGSGGTFTLTISLSLQPEDPATYTCOOQSHEDPRTFGGTVEIKRTVAAPSVE 140
DB 61 GVPSRFSGSGGTFTLTISLSLQPEDPATYTCOOQSHEDPRTFGGTVEIKRTVAAPSVE 120

QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEBDSKSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEBDSKSTYSLS 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 11
US-08-887-352B-15
; Sequence 15, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

US-08-887-352B-15

Query Match 86.8%; Score 1074; DB 2; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83; Mismatches 5; Indels 0; Gaps 0;
Matches 208; Conservative 5;

QY 21 DIVLTGSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQOKPKAPKLLIYAASNLS 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQOKPKAPKLLIYAASNLS 60

QY 81 GVPSRFSGSGGTFTLTISLSLQPEDPATYTCOOQSHEDPRTFGGTVEIKRTVAAPSVE 140
DB 61 GVPSRFSGSGGTFTLTISLSLQPEDPATYTCOOQSHEDPRTFGGTVEIKRTVAAPSVE 120

QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEBDSKSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEBDSKSTYSLS 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 12
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-9881
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

US-08-887-352B-17

Query Match 86.8%; Score 1074; DB 2; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83; Mismatches 5; Indels 0; Gaps 0;
Matches 208; Conservative 5;

QY 21 DIVLTGSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQOKPKAPKLLIYAASNLS 80
DB 1 DIQLTGSPSSLSASVGRVITTCRASQSVDDGDSYNNMWYQOKPKAPKLLIYAASNLS 60

QY 81 GVPSRFSGSGGTFTLTISLSLQPEDPATYTCOOQSHEDPRTFGGTVEIKRTVAAPSVE 140
DB 61 GVPSRFSGSGGTFTLTISLSLQPEDPATYTCOOQSHEDPRTFGGTVEIKRTVAAPSVE 120

QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEBDSKSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVQMKVDNALQSGNSQESVTEBDSKSTYSLS 180

QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218

RESULT 13
US-08-887-352B-19
; Sequence 19, Application US/08887352B
; Patent No. 5994511

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GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19

Query Match      86.8%; Score 1074; DB 2; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Cy 21 DIVLTQSPSSLSASVDGRVTITCKASQSVYDGDSDYNNMWYQOKPKGAPKLLIYAASNLIES 80
Db 1 DIQLTQSPSSLSASVDGRVTITCRASKPVDEGSDYNNMWYQOKPKGAPKLLIYAASYLES 60

Cy 81 GVPSPFSGSGSGTDFTLTISLSIQPEDPATYCCQSNEDPRTFGQGTVEIKRTVAAPSVF 140
Db 61 GVPSPFSGSGSGTDFTLTISLSIQPEDPATYCCQSHEDPRTFGQGTVEIKRTVAAPSVF 120

Cy 141 IFPPSDDELKSGTASVVCCLNNFYPRKAKVQMKVDNALQSGNSQESYTEBDSKDSITSL 200
Db 121 IFPPSDDELKSGTASVVCCLNNFYPRKAKVQMKVDNALQSGNSQESYTEBDSKDSITSL 180

Cy 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 14
US-08-887-352B-24
Sequence 24, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/952-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24

Query Match      86.8%; Score 1074; DB 2; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Cy 21 DIVLTQSPSSLSASVDGRVTITCKASQSVYDGDSDYNNMWYQOKPKGAPKLLIYAASNLIES 80
Db 1 DIQLTQSPSSLSASVDGRVTITCRASKPVDEGSDYNNMWYQOKPKGAPKLLIYAASYLES 60

Cy 81 GVPSPFSGSGSGTDFTLTISLSIQPEDPATYCCQSNEDPRTFGQGTVEIKRTVAAPSVF 140
Db 61 GVPSPFSGSGSGTDFTLTISLSIQPEDPATYCCQSHEDPRTFGQGTVEIKRTVAAPSVF 120

Cy 141 IFPPSDDELKSGTASVVCCLNNFYPRKAKVQMKVDNALQSGNSQESYTEBDSKDSITSL 200
Db 121 IFPPSDDELKSGTASVVCCLNNFYPRKAKVQMKVDNALQSGNSQESYTEBDSKDSITSL 180

Cy 201 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 STLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 218

RESULT 15
US-09-109-207C-15
Sequence 15, Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
FILE REFERENCE: P1123R1
CURRENT APPLICATION NUMBER: US/09/109,207C
CURRENT FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 15
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-15

Query Match      86.8%; Score 1074; DB 3; Length 218;
Best Local Similarity 95.4%; Pred. No. 1.1e-83;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Cy 21 DIVLTQSPSSLSASVDGRVTITCKASQSVYDGDSDYNNMWYQOKPKGAPKLLIYAASNLIES 80
Db 1 DIQLTQSPSSLSASVDGRVTITCRASKPVDEGSDYNNMWYQOKPKGAPKLLIYAASYLES 60
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Qy      81  GVPGRFSGSGGTDFTLTLISLQPEDFATYCCOOSNEDPRTFGQTKVEIKRTVAAPSVF 140
Db      61  GVPGRFSGSGGTDFTLTLISLQPEDFATYCCOOSHEDPTFGQTKVEIKRTVAAPSVF 120
Qy     141  IFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBQDSKDSSTYSLS 200
Db     121  IFPPSDEQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSGNSQESVTEBQDSKDSSTYSLS 180
Qy     201  STLTLSKADYERKAKVYACEVTHQGLSSPYTKSFNRGEC 238
Db     181  STLTLSKADYERKAKVYACEVTHQGLSSPYTKSFNRGEC 218

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Mon Feb 22 07:54:34 2004

US-09-499-662-127.rapb

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model
Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-127
Perfect score: 1237
Sequence: 1 METDTLLMVLWVPGSTG.....EYTHQGLSPVTKFNKRC 238

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 801455 seqs, 209382283 residues
Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications AA:
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2: /cgn2_6/ptodata/1/pubpa/US06_PUBCOMB.pep:
3: /cgn2_6/ptodata/1/pubpa/US05_PUBCOMB.pep:
4: /cgn2_6/ptodata/1/pubpa/US04_PUBCOMB.pep:
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14: /cgn2_6/ptodata/1/pubpa/US04_PUBCOMB.pep:
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18: /cgn2_6/ptodata/1/pubpa/US00_PUBCOMB.pep:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1237	100.0	238	US-10-384-933-127	Sequence 127, App
2	1237	100.0	238	US-10-216-484-127	Sequence 127, App
3	1237	100.0	238	US-10-384-933-131	Sequence 131, App
4	1236	99.9	238	US-10-216-484-131	Sequence 131, App
5	1236	99.9	238	US-10-384-933-129	Sequence 129, App
6	1233	99.7	238	US-10-216-484-129	Sequence 129, App
7	1233	99.7	238	US-10-384-933-107	Sequence 107, App
8	1173	94.8	238	US-10-216-484-107	Sequence 107, App
9	1168	94.4	238	US-10-384-933-50	Sequence 50, App
10	1168	94.4	238	US-10-216-484-50	Sequence 50, App
11	1155	93.4	238	US-10-384-933-52	Sequence 52, App
12	1155	93.4	238	US-10-216-484-52	Sequence 52, App
13	1154	93.3	238	US-10-384-933-109	Sequence 109, App
14	1154	93.3	238	US-10-216-484-109	Sequence 109, App
15	1153	93.2	238	US-10-384-933-54	Sequence 54, App

15	1153	93.2	238	US-10-216-484-54	Sequence 54, App
16	1145	92.6	238	US-10-384-933-38	Sequence 38, App
17	1145	92.6	238	US-10-353-708-56	Sequence 56, App
18	1145	92.6	238	US-10-171-452A-38	Sequence 38, App
19	1145	92.6	238	US-10-171-452A-56	Sequence 56, App
20	1145	92.6	238	US-10-353-708-44	Sequence 44, App
21	1135	91.8	238	US-10-353-708-50	Sequence 50, App
22	1135	91.8	238	US-10-171-452A-44	Sequence 44, App
23	1135	91.8	238	US-10-171-452A-50	Sequence 50, App
24	1135	91.8	238	US-10-171-452A-50	Sequence 50, App
25	1112	89.9	218	US-09-917-410-2	Sequence 2, App
26	1100	88.9	218	US-09-802-077-9	Sequence 9, App
27	1100	88.9	218	US-09-802-096-9	Sequence 9, App
28	1100	88.9	218	US-09-920-171-13	Sequence 13, App
29	1100	88.9	218	US-09-925-179-9	Sequence 9, App
30	1100	88.9	218	US-10-113-996-13	Sequence 13, App
31	1085	87.7	218	US-09-925-179-67	Sequence 67, App
32	1077	87.1	218	US-10-292-869-1	Sequence 1, App
33	1077	87.1	218	US-09-792-938-1	Sequence 1, App
34	1074	86.8	218	US-09-920-171-15	Sequence 15, App
35	1074	86.8	218	US-09-920-171-17	Sequence 17, App
36	1074	86.8	218	US-09-920-171-19	Sequence 19, App
37	1074	86.8	218	US-09-920-171-24	Sequence 24, App
38	1074	86.8	218	US-10-113-996-15	Sequence 15, App
39	1074	86.8	218	US-10-113-996-17	Sequence 17, App
40	1074	86.8	218	US-10-113-996-19	Sequence 19, App
41	1074	86.8	218	US-10-113-996-24	Sequence 24, App
42	1050	84.9	260	US-10-264-049-2296	Sequence 2296, App
43	1049	84.8	236	US-09-859-053-30	Sequence 30, App
44	1047.5	84.7	241	US-10-221-945-1	Sequence 1, App
45	1044	84.4	240	US-10-159-006-36	Sequence 36, App

ALIGNMENTS

RESULT 1
US-10-384-933-127
Sequence 127, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Setizawa, Hi. Udeyuki
APPLICANT: Haruyama, Hiroyuki
APPLICANT: Nakamura, Kaori
APPLICANT: Takahashi, Ikuro
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
FEATURL: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127
Query Match
Best Local Similarity 100.0%; Score 1237; DB 12; Length 238;
Matches 238; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTLLMVLWVPGSTGDIYVTPSSLSASVDRVTITCKRSQSVVDGDSYNNWY 60
Db 1 METDTLLMVLWVPGSTGDIYVTPSSLSASVDRVTITCKRSQSVVDGDSYNNWY 60
QY 61 QOKPKAPKLILYASNLFSVPSRFGSGSGDTFTLTSSIQPEDFATYYCOQSNENPR 120

Db 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
QY 121 TFGGKTVEIKRTYAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKYDNLQ 180
Db 121 TFGGKTVEIKRTYAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKYDNLQ 180
QY 181 GNSQSVTEQDSKDYSLSTLTLSKADYKHKYVACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDYSLSTLTLSKADYKHKYVACEVTHQGLSPVTKSFNRGEC 238

RESULT 2

US-10-216-484-127
Sequence 127, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-127

Query Match 100.0%; Score 1237; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 5.3e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSDYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSDYNNMY 60
QY 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
QY 121 TFGGKTVEIKRTYAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKYDNLQ 180
Db 121 TFGGKTVEIKRTYAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKYDNLQ 180
QY 181 GNSQSVTEQDSKDYSLSTLTLSKADYKHKYVACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDYSLSTLTLSKADYKHKYVACEVTHQGLSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-131
Sequence 131, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-384-933-131

Query Match 99.9%; Score 1236; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 6.3e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSDYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSDYNNMY 60
QY 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120
QY 121 TFGGKTVEIKRTYAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKYDNLQ 180
Db 121 TFGGKTVEIKRTYAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKYDNLQ 180
QY 181 GNSQSVTEQDSKDYSLSTLTLSKADYKHKYVACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKDYSLSTLTLSKADYKHKYVACEVTHQGLSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-131
Sequence 131, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-131

Query Match 99.9%; Score 1236; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 6.3e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSDYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIVLTQSPSSLSASVGDRTVITTKASQSVYDGDGSDYNNMY 60
QY 61 QOKGKAPKLLIYAASNLSEGVPSRFGSGGTDFTLTISLQPEDPATYCCQSNEDPR 120

Db 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEODSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEODSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTSFNRGEC 238

RESULT 5

US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haryama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tanaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-129

Query Match 99.7%; Score 1233; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 1.1e-84;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 METDTLLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMW 60
Db 1 METDTLLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMW 60
Qy 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Db 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEODSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEODSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTSFNRGEC 238

RESULT 6

US-10-216-484-129
; Sequence 129, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haryama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tanaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG

; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-129

Query Match 99.7%; Score 1233; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 1.1e-84;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 METDTLLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMW 60
Db 1 METDTLLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMW 60
Qy 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Db 61 OOKGKAPKLLIYAASNLSEGVPSRFSGSGGTDTFTLTSLOPEDFATYYCOQSNEDPR 120
Qy 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Qy 181 GNSQSVTEODSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEODSKOSTYSLSSTLTLSKADYKHKYVACEVTHQGLSPVTSFNRGEC 238

RESULT 7

US-10-384-933-107
; Sequence 107, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haryama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tanaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-107

Query Match 94.8%; Score 1173; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 3.2e-80;
Matches 221; Conservative 10; Mismatches 7; Indels 0; Gaps 0;
Qy 1 METDTLLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMW 60
Db 1 METDTLLMWLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNMW 60

Qy 61 QOKPKAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIRFSGSGSGTDFTLTISRLPEDFAVYYCOQSNEDPR 120
Qy 121 TFGGCTKVEIKRTYAASVFIIPPSEDLKSGTASVCLLNFPYREAKVOMKVDNALQS 180
Db 121 TFGGCTKLEIKRTYAASVFIIPPSEDLKSGTASVCLLNFPYREAKVOMKVDNALQS 180
Qy 181 GNSQESVTEQDSKDSYSLSTLTLSKADYEKHKYVACEVTHQGLSPVTKSPNRGEC 238
Db 181 GNSQESVTEQDSKDSYSLSTLTLSKADYEKHKYVACEVTHQGLSPVTKSPNRGEC 238

RESULT 8
US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 94.8%; Score 1173; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 3.2e-80;
Matches 221; Conservative 10; Mismatches 7; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGDRTVITCKASQSVVDYDGSYNNMW 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGDRTVITCKASQSVVDYDGSYNNMW 60
Qy 61 QOKPKAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIRFSGSGSGTDFTLTISRLPEDFAVYYCOQSNEDPR 120
Qy 121 TFGGCTKVEIKRTYAASVFIIPPSEDLKSGTASVCLLNFPYREAKVOMKVDNALQS 180
Db 121 TFGGCTKLEIKRTYAASVFIIPPSEDLKSGTASVCLLNFPYREAKVOMKVDNALQS 180
Qy 181 GNSQESVTEQDSKDSYSLSTLTLSKADYEKHKYVACEVTHQGLSPVTKSPNRGEC 238
Db 181 GNSQESVTEQDSKDSYSLSTLTLSKADYEKHKYVACEVTHQGLSPVTKSPNRGEC 238

RESULT 9
US-10-384-933-50
; Sequence 50, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies

; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 94.4%; Score 1168; DB 12; Length 238;
Best Local Similarity 92.4%; Pred. No. 7.6e-80;
Matches 220; Conservative 10; Mismatches 8; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGDRTVITCKASQSVVDYDGSYNNMW 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGDRTVITCKASQSVVDYDGSYNNMW 60
Qy 61 QOKPKAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDFATYYCOQSNEDPR 120
Db 61 QOKPGQAPRLIIYAASNLSEGIPIRFSGSGSGTDFTLTISRLPEDFAVYYCOQSNEDPR 120
Qy 121 TFGGCTKVEIKRTYAASVFIIPPSEDLKSGTASVCLLNFPYREAKVOMKVDNALQS 180
Db 121 TFGGCTKLEIKRTYAASVFIIPPSEDLKSGTASVCLLNFPYREAKVOMKVDNALQS 180
Qy 181 GNSQESVTEQDSKDSYSLSTLTLSKADYEKHKYVACEVTHQGLSPVTKSPNRGEC 238
Db 181 GNSQESVTEQDSKDSYSLSTLTLSKADYEKHKYVACEVTHQGLSPVTKSPNRGEC 238

RESULT 10
US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 94.4%; Score 1168; DB 15; Length 238;
Best Local Similarity 92.4%; Pred. No. 7.6e-80;
Matches 220; Conservative 10; Mismatches 8; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGDRTVITCKASQSVVDYDGSYNNMW 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGDRTVITCKASQSVVDYDGSYNNMW 60

Qy	61	OOKPEKAPL.LLYAASNESGVP	SRSSGGSGDFTLTL	SLQPEPATYCCQSNEDPR	120
Db	61	OOKPEQAPRL.LLYAASNESG	IPDRSGSGSGDFTLTL	SRLEPAFAVYYCQSNEDPR	120
Qy	121	TFGGSTKVEIKRTVAAPSVFI	PPSPDEOLKSGTASVVC	CLNNYYPREAKQMVNALOS	180
Db	121	TFGGSTKVEIKRTVAAPSVFI	PPSPDEOLKSGTASVVC	CLNNYYPREAKQMVNALOS	180
Qy	181	GNSQESVTEODSKOSTYSL	STLTLSKADYERKHVYACE	YTHGSLSPVTKSFNRGEC	238
Db	181	GNSQESVTEODSKOSTYSL	STLTLSKADYERKHVYACE	YTHGSLSPVTKSFNRGEC	238

```

RESULT 11
US-10-384-933-52
? Sequence 52, Application US/10384933
? Publication No. US20030170817A1
? GENERAL INFORMATION:
? APPLICANT: Serizawa, No. US20030170817A1ufusa
? APPLICANT: Haruyama, Hideyuki
? APPLICANT: Nakahara, Kaori
? APPLICANT: Tamaki, Ikuko
? APPLICANT: Takahashi, Yohru
? TITLE OF INVENTION: Anti-Pas Antibodies
? FILE REFERENCE: 980126CIP/HG
? CURRENT APPLICATION NUMBER: US/10/384,933
? CURRENT FILING DATE: 2003-02-05
? PRIOR APPLICATION NUMBER: US/09/499,662
? PRIOR FILING DATE: 2000-02-09
? PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
? PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
? NUMBER OF SEQ ID NOS: 165
? SEQ ID NO 52
? LENGTH: 238
? TYPE: PRT
? ORGANISM: Artificial Sequence
FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence: Designed light
? OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-52

```

	Query Match	93.4%;	Score 1155;	DB 12;	Length 238;
	Best Local Similarity	91.6%;	Pred. No. 7.2e-79;		
	Matches 218;	Conservative 11;	Mismatches 9;	Indels 0;	Gaps 0;
QY	1	MEETDILLMVLILMWPGSTGDIIVLTQSPSSLSASVGDRTVITTKASQSYVDYDGSYNNWY	60		
Db	1	MEETDILLMVLILMWPGSTGDIIVLTQSPGRLSLSPERATLSCKASQSYVDYDGSYNNWY	60		
QY	61	QOKPKAKRLIYAASNLESQVPSRRSGSGSGTDFLTITSSLOPEDPATYYCOQSNEDPR	120		
Db	61	QOKPKQAPRLLIYAASNLESGLPDRSGSGSGTDFLTITTHPEEBAATYYCOQSNEDPR	120		
QY	121	TFGGSTKVEIKKTVAAAPSVFIPEPSPDEQKSGTASVVCLLNFIYPREAKQMKVDNALQS	180		
Db	121	TFGGSTRLERIKTVAAAPSVFIPEPSPDEQLKSGTASVVCLLNFIYPREAKQMKVDNALQS	180		
QY	181	GNSQGSVYBQDSKDYSLSLSTLTLSKADYIEKAKVYACVETHQGLS9PVTYSFNRGEC	238		
Db	181	GNSQGSVYBQDSKDYSLSLSTLTLSKADYIEKAKVYACVETHQGLS9PVTYSFNRGEC	238		

RESULT 12
US-10-216-484-52
; Sequence 52, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haryzama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tōru

```

? TITLE OF INVENTION: Anti-Fas Antibodies
? FILE REFERENCE: 980126CIP/HG
? CURRENT APPLICATION NUMBER: US/10/216,484
? CURRENT FILING DATE: 2002-08-09
? PRIOR APPLICATION NUMBER: US/09/499,662
? PRIOR FILING DATE: 2000-02-09
? PRIOR APPLICATION NUMBER: US 09/053,583
? PRIOR FILING DATE: 1998-04-01
? NUMBER OF SEQ ID NOS: 165
? SEQ ID NO 52
? LENGTH: 238
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-216-484-52
? OTHER INFORMATION: chain of humanized anti-Fas antibody

Query Match          93.4%, Score 1155, DB 15, Length 238;
Best local Similarity 91.6%, Pred. No. 7,2e-79;
Matches 21s; Conservative 11; Mismatches 9; Indels 0; Gaps 0

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[illegible]

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RESULT 13
US-10-384-933-109
; Sequence 109, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-384-933-109
; Sequence 109, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Hanyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 109
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
US-10-384-933-109

```

Query Match	93.3%	Score 1154;	DB 12;	Length 238;
Best Local Similarity	91.6%	Pred. No. 8.5e-79;		
Matches 218; Conservative	11;	Mismatches	9;	Indels 0;
Gaps	0			

```

Db      1 METDTILLWVLLWVPGSTGIVLTQSPGTLISFGERATLISCKASQSVVDYDGSYNMY 60
Qy      61 QOKPKAPKLLIYAASNLSEGVSPFSGSGGTPTLTISLQPEDPATYTCQGSNEDPR 120
        61 QOKGQAPRLIYAASNLSEGIPIRFSGSGGTPTLTITIHVEEDATYTCQGSNEDPR 120
Db      121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
Qy      121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
        121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
Db      181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Qy      181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

```

RESULT 14
US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hatuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

```

```

Query Match      93.3%; Score 1154; DB 15; Length 238;
Best Local Similarity 91.6%; Pred. No. 8.5e-79;
Matches 218; Conservative 11; Mismatches 9; Indels 0; Gaps 0;

Qy      1 METDTILLWVLLWVPGSTGIVLTQSPGTLISFGERATLISCKASQSVVDYDGSYNMY 60
        1 METDTILLWVLLWVPGSTGIVLTQSPGTLISFGERATLISCKASQSVVDYDGSYNMY 60
Db      121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
Qy      121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
        121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
Db      181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Qy      181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

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RESULT 15
US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hatuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko

```

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; APPLICANT: Takahashi, Toku
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499, 662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

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Query Match      93.2%; Score 1153; DB 12; Length 238;
Best Local Similarity 91.6%; Pred. No. 1e-78;
Matches 218; Conservative 10; Mismatches 10; Indels 0; Gaps 0;

Qy      1 METDTILLWVLLWVPGSTGIVLTQSPGTLISFGERATLISCKASQSVVDYDGSYNMY 60
        1 METDTILLWVLLWVPGSTGIVLTQSPGTLISFGERATLISCKASQSVVDYDGSYNMY 60
Db      121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
Qy      121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
        121 TFGGQTKLEIKRTVAAPSVFIIPPSDEQLKSGTASVCLINNFYPREAKVQMKVDNALQS 180
Db      181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Qy      181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
        181 GNSQSVTEODSKDSTYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

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Search completed: February 20, 2004, 14:25:35
Job time : 18.0466 secs

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Mon Feb 23 07:54:34 2004

us-09-499-662-129.ra1

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.8911 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-129

Sequence: 1 METDTLLMVLWVPGSTG.....EVTHQGLSPVTKSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued Patents AA.*
2: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
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6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1108	89.6	218	PCT-US96-13152-2	Sequence 2, Appl
2	1096	88.6	218	US-08-887-352B-13	Sequence 13, Appl
3	1096	88.6	218	US-08-466-151-9	Sequence 9, Appl
4	1096	88.6	218	US-09-109-207C-13	Sequence 13, Appl
5	1096	88.6	218	US-09-296-005-13	Sequence 9, Appl
6	1096	88.6	218	US-08-466-163B-9	Sequence 9, Appl
7	1073	86.7	218	US-09-282-505-1	Sequence 1, Appl
8	1073	86.7	218	US-09-054-255-1	Sequence 1, Appl
9	1073	86.7	218	US-09-282-846-1	Sequence 1, Appl
10	1073	86.7	218	US-09-680-145-1	Sequence 1, Appl
11	1070	86.5	218	US-08-887-352B-15	Sequence 15, Appl
12	1070	86.5	218	US-08-887-352B-17	Sequence 17, Appl
13	1070	86.5	218	US-08-887-352B-19	Sequence 19, Appl
14	1070	86.5	218	US-08-887-352B-24	Sequence 24, Appl
15	1070	86.5	218	US-09-109-207C-15	Sequence 15, Appl
16	1070	86.5	218	US-09-109-207C-17	Sequence 17, Appl
17	1070	86.5	218	US-09-109-207C-19	Sequence 19, Appl
18	1070	86.5	218	US-09-109-207C-24	Sequence 24, Appl
19	1070	86.5	218	US-09-296-005-15	Sequence 15, Appl
20	1070	86.5	218	US-09-296-005-17	Sequence 17, Appl
21	1070	86.5	218	US-09-296-005-19	Sequence 19, Appl
22	1070	86.5	218	US-09-296-005-24	Sequence 24, Appl
23	1048	83.8	234	US-09-301-593-36	Sequence 36, Appl
24	1036	82.3	234	US-07-934-373C-25	Sequence 25, Appl
25	1018.5	82.3	233	US-08-437-642B-25	Sequence 25, Appl
26	1018.5	82.3	233	US-08-146-206C-25	Sequence 25, Appl
27	1018.5	82.3	233	US-08-146-206C-25	Sequence 25, Appl

28	1018.5	82.3	233	5	PCT-US93-07832-25	Sequence 25, Appl
29	1015	82.1	214	2	US-07-934-373C-39	Sequence 39, Appl
30	1015	82.1	214	3	US-08-437-642B-39	Sequence 39, Appl
31	1015	82.1	214	5	PCT-US93-07832-39	Sequence 39, Appl
32	1010	81.6	214	2	US-07-934-373C-40	Sequence 40, Appl
33	1010	81.6	214	2	US-08-788-800-11	Sequence 11, Appl
34	1010	81.6	214	3	US-08-437-642B-40	Sequence 40, Appl
35	1010	81.6	214	3	US-09-097-309-2	Sequence 2, Appl
36	1010	81.6	214	3	US-09-097-171A-2	Sequence 2, Appl
37	1010	81.6	214	4	US-09-460-587-2	Sequence 4, Appl
38	1010	81.6	214	5	PCT-US93-07832-40	Sequence 40, Appl
39	1010	81.6	237	3	US-09-097-309-6	Sequence 10, Appl
40	1010	81.6	237	3	US-09-097-171A-10	Sequence 2, Appl
41	1010	81.6	237	3	US-09-422-712B-2	Sequence 2, Appl
42	1010	81.6	237	3	US-09-607-756-2	Sequence 6, Appl
43	1010	81.6	237	4	US-09-460-587-6	Sequence 6, Appl
44	1006.5	81.4	242	3	US-09-027-449-62	Sequence 62, Appl
45	1006.5	81.4	242	3	US-09-026-985-62	Sequence 62, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ failure
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felle & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PFF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 838-3884
TELEFAX: (212) 838-9200
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match: 89.6%; Score 1108; DB 5; Length 218;
Best Local Similarity: 97.7%; Pred. No. 5.9e-87; Indels 0; Gaps 0;
Matches 213; Conservative

[illegible]

```

1      RESULT 2
2      US-08-887-352B-13
3      Sequence 13: Application US/08887352B
4      Patent No. 5994511
5      GENERAL INFORMATION:
6      APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
7      TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of
8      TITLE OF INVENTION: Improving Polypeptides
9      NUMBER OF SEQUENCES: 26
10     CORRESPONDENCE ADDRESS:
11     ADDRESSEE: Genentech, Inc.
12     STREET: 1 DNA Way
13     CITY: South San Francisco
14     STATE: California
15     COUNTRY: USA
16     ZIP: 94080
17     COMPUTER READABLE FORM:
18     MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
19     COMPUTER: IBM PC compatible
20     OPERATING SYSTEM: PC-DOS/MS-DOS
21     SOFTWARE: WinPatIn (Genentech)
22     CURRENT APPLICATION DATA:
23     APPLICATION NUMBER: US/08/887,352B
24     FILING DATE: 03-Jul-1997
25     CLASSIFICATION: 530
26     ATTORNEY/AGENT INFORMATION:
27     NAME: Svoboda, Craig G.
28     REGISTRATION NUMBER: 39,044
29     REFERENCE/DOCKET NUMBER: P1123
30     TELECOMMUNICATION INFORMATION:
31     TELEPHONE: 650/225-1489
32     TELEFAX: 650/952-9881
33     INFORMATION FOR SEQ ID NO: 13:
34     SEQUENCE CHARACTERISTICS:
35     LENGTH: 218 amino acids
36     TYPE: Amino Acid
37     TOPOLOGY: Linear
38     US-08-887-352B-13

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Query Match	88.6%;	Score 1096;	DB 2;	Length 218;
Best Local Similarity	97.2%;	Pred. No. 6.2e-66;		
Matches 212;	Conservative 3;	Mismatches 3;	Indels 0;	Gaps 0;

Qy	21	DIVLTQSSSSLSASVGDRTITTCCKASQSDVDYGDSTPMNNYQOKPKGAPKLLIYAASNLSS	80
Db	1	DIOLTQSSSSLSASVGDRTITTCRASQSDVDYGDSTPMNNYQOKPKGAPKLLIYAASYLESS	60
Qy	81	GVPRPFGSGSGSTDPTLTITSSLPEDFATYYCOQSNEDRFGQGRKVEIKRTVAASPYP	140
Db	61	GVPRPFGSGSGSTDPTLTITSSLPEDFATYYCOQSHEDPYTTCQGRKVEIKRTVAASPYP	120
Qy	141	IFPPSEDLQKGTASVCLLNFPPEAPYQMKVDNALQSGNSQSEVTEQDSKDSITYSLSS	200
Db	121	IFPPSEDLQKGTASVCLLNFPPEAPYQMKVDNALQSGNSQSEVTEQDSKDSITYSLSS	180

Oy 201 STLTISKADYEKKHYACVTHOGLSSPYTKSFNRGEC 238
 |||||
Dd 181 STLTSKADYEKKHYACVTHOGLSPYTKSFNRRGC 218

US-08-466-151-9
Result 3
Sequence 9, Application US/08466151
Patent No. 6037453
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
INVENTOR: Presta, Leonard G.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

US-08-466-151-9

Query Match	88.6%	Score 1036;	DB 3;	Length 218;
Best Local Similarity	97.2%	Pred. No. 6.2e-86;		
Matches 212; Conservative	3;	Mismatches	3;	Indels 0; Gaps 0;

QY	21	DYLTGSPSSLSASVGDRTYITTCRASGQVDGDSYNNWYQQRKGAPKLLIYAASLTLS	80
Db	1	DIGLTGSPSSLSASVGDRTYITTCRASGQVDYDGDSYNNWYQQRKGAPKLLIYAASLTLS	60
QY	81	GVPSRRSSGSGSTDTLTITLSLQPEDFATYTCQOOSNDDPTFGGCTVETLKRIVAAPSVY	140
Db	61	GVPSRRSSGSGSTDTLTITLSLQPEDFATYTCQOSHEDPTTFGGCTVETLKRIVAAPSVY	120
QY	141	IFPPSDQKSGSTAASVCLINNFVPEAKYQWKDNLQSGNSQESVTEGDSKDSITYSL	200
Db	121	IFPPSDQKSGSTAASVCLINNFVPEAKYQWKDNLQSGNSQESVTEGDSKDSITYSL	180

QY 201 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 238
181 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 218

RESULT 4
US-09-109-207C-13
; Sequence 13, Application US/09109207C

; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptide
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/09/109,207C
; CURRENT FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 13
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; NAME/KEY: Artificial
; LOCATION: 1-218
; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-13

Query Match 88.6%; Score 1096; DB 3; Length 218;
Best Local Similarity 97.2%; Pred. No. 6,2e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 80
1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 60
DB 81 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPFTFGQGTVEIKRTVAAPSVF 140
QY 61 GVPSRPSGSGSGTDTFTLTSSLOPEDFATYYCOQSHEDPFTFGQGTVEIKRTVAAPSVF 120
DB 141 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKDYSTLS 200
QY 121 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKDYSTLS 180
DB 201 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 238
QY 181 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 218

RESULT 5
US-09-236-005-13
; Sequence 13, Application US/09296005

; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-1gE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123C1R
; CURRENT APPLICATION NUMBER: US/09/296,005
; CURRENT FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: US 08/887,352
; EARLIER FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 13
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; NAME/KEY: Artificial
; LOCATION: 1-218
; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-236-005-13

Query Match 88.6%; Score 1096; DB 3; Length 218;
Best Local Similarity 97.2%; Pred. No. 6,2e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 80
1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 60
DB 81 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPFTFGQGTVEIKRTVAAPSVF 140
QY 61 GVPSRPSGSGSGTDTFTLTSSLOPEDFATYYCOQSHEDPFTFGQGTVEIKRTVAAPSVF 120
DB 141 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKDYSTLS 200
QY 121 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKDYSTLS 180
DB 201 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 238
QY 181 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 218

RESULT 6
US-08-466-163B-9
; Sequence 9, Application US/08466163B

; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Immunoglobulin Variants
; FILE REFERENCE: P0718P2C1D1
; CURRENT APPLICATION NUMBER: US/08/466,163B
; CURRENT FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 9
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial
; OTHER INFORMATION: humanized mae11, version 1, light chain
US-08-466-163B-9

Query Match 88.6%; Score 1096; DB 4; Length 218;
Best Local Similarity 97.2%; Pred. No. 6,2e-86;
Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 80
1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSTNNWYQOKPGQAPKLLIYAASNTLS 60
DB 81 GVPSRPSGSGSTDTFTLTSSLOPEDFATYYCOQSHEDPFTFGQGTVEIKRTVAAPSVF 140
QY 61 GVPSRPSGSGSGTDTFTLTSSLOPEDFATYYCOQSHEDPFTFGQGTVEIKRTVAAPSVF 120
DB 141 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKDYSTLS 200
QY 121 IFPPSDQLKSGTASVYVCLINNFYPREAKVQKVNALQSGNSQSVTEQDSKDYSTLS 180
DB 201 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 238
QY 181 STLTLSKADYKHKVYACVTHQGLSSPTKSFNRGEC 218

RESULT 7
US-09-282-505-1
; Sequence 1, Application US/09282505A

? Patent No. 6194551
 ? GENERAL INFORMATION:
 ? APPLICANT: Eschre, Ekinaduse Idusogie et al.
 ? TITLE OF INVENTION: Polypeptide Variants
 ? FILE REFERENCE: P1266R1
 ? CURRENT APPLICATION NUMBER: US/09/282,505A
 ? CURRENT FILING DATE: 1999-03-31
 ? NUMBER OF SEQ ID NOS: 2
 ? SEQ ID NO 1
 ? LENGTH: 218
 ? TYPE: PRT
 ? ORGANISM: Artificial Sequence
 ? FEATURE:
 ? NAME/KEY: Artificial Sequence
 ? LOCATION: 1-218
 ? OTHER INFORMATION: Sequence is completely synthesized
 ? Patent No. 6194551
 ? US-09-282-505-1

Query Match	86.7%;	Score 1073;	DB 3;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 5.6e-84;		
Matches 208;	Conservative 5;	Mismatches 5;	Indels 0;	Gaps 0;

Qy	21	D	V	T	Q	S	S	S	A	S	V	G	D	R	V	I	T	T	C	K	A	S	Q	S	A	S	V	D	G	S	T	M	N	W	Q	O	K	P	E	Q	A	P	K	L	I	A	S	N	L	S	80
Db	1	D	I	O	T	Q	S	P	E	S	S	A	S	V	G	D	R	V <td>I <td>T <td>T <td>C <td>K <td>A <td>S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td></td></td></td></td></td></td></td>	I <td>T <td>T <td>C <td>K <td>A <td>S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td></td></td></td></td></td></td>	T <td>T <td>C <td>K <td>A <td>S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td></td></td></td></td></td>	T <td>C <td>K <td>A <td>S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td></td></td></td></td>	C <td>K <td>A <td>S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td></td></td></td>	K <td>A <td>S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td></td></td>	A <td>S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td></td>	S <td>S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td></td>	S <td>V</td> <td>D</td> <td>G</td> <td>S</td> <td>T</td> <td>M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td></td>	V	D	G	S	T	M <td>N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td></td>	N <td>W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td></td>	W <td>Q</td> <td>O</td> <td>K</td> <td>P</td> <td>E</td> <td>Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td> </td>	Q	O	K	P	E	Q <td>A</td> <td>P</td> <td>K</td> <td>L</td> <td>I</td> <td>A</td> <td>S</td> <td>Y</td> <td>L</td> <td>S</td> <td>60</td>	A	P	K	L	I	A	S	Y	L	S	60

QY	DB
81	61
GVPSRFRSGSSGDTFLTLISLQPEBPATYYYCOQSNDRPTGCGTVEIKRTVAAPSVF	GVPSRFRSGSSGDTFLTLISLQPEBPATYYYCOQSHDPYTGCGTVEIKRTVAAPSVF
140	120

QY	141	121	Db
IPSPDEOLKSGTASVCLNNFYPREAKVQKVDNALQSGNQSESTTEBODSKDSTYSLS	IPSPDEOLKSGTASVCLNNFYPREAKVQKVDNALQSGNQSESTTEBODSKDSTYSLS	IPSPDEOLKSGTASVCLNNFYPREAKVQKVDNALQSGNQSESTTEBODSKDSTYSLS	IPSPDEOLKSGTASVCLNNFYPREAKVQKVDNALQSGNQSESTTEBODSKDSTYSLS
200	200	180	180

QY	201	STLTLSKADYEKHVACEVTHOGLSSPVTKSFNRGEC	238
Db	181	STLTLSKADYEKHVACEVTHOGLSSPVTKSFNRGEC	218

RESULT 8
US-09-054-255-1

;; sequence 1, Application US/03034235
;; Patent No. 6242195
;; GENERAL INFORMATION:
;; APPLICANT: Esche Ekinoglu Idusoglu et al

```

; TITLE OF INVENTION: polypeptide variants
;
; FILE REFERENCE: P1266
;
; CURRENT APPLICATION NUMBER: US/09/054,255
;
; CURRENT FILING DATE: 1998-04-02
;

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; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT

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; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: E27 anti-IgE antibody light chain
;
; OS=08-054-255-1

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Query Match	86.7%;	Score 1073;	DB 3;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 5.6e-84;		
Matches 208; Conservative	5;	Mismatches 5;	Indels 0;	Gaps 0;

DY 21 DVLTLQSPSSLSASVGDRTITTCASQSVDYDGDSTNNWYQOKPGQA PKLLTYAASNLES
||| : ||| :
DB 1 DIQLTQSPSSLSASVGDRTITTCASQPVGEGDSNNWYQOKPGKAPKLLTYAASYLES

QY 81 GVPSRFSGSGSDTFTLTISLQPEDPATYCCQSNEDPRFGQIKVEIKRTVAASVF 1400

DB 61 GVPSRFSGSGSDTFTLTISLQPEDPATYCCQSNEDPRFGQIKVEIKRTVAASVF 1200

141 I P P S D E O L K S T A S V V C L L N N F Y P R E A K V O K V N A L O S G N S O E S Y T E O D S K D S T Y S L S 200

Db 121 I P P S S E Q L K S G T A V V C L I N F Y R E A K V O M K V D N L Q S A N S Q S E V T E D Q S K D T S T S L S 160

Qy 201 S T I L S K A D Y E K K V T A C E V T H Q G I S S P V T Y S F N R G E C 238

Db 181 S T I L S K A D Y E K K V T A C E V T H Q G I S S P V T Y S F N R G E C 218

RESULT 9
US-09-282-846-1
; Sequence 1, Application US/09282846

/ PATENT NO.: 0220024
 ; GENERAL INFORMATION:
 ; APPLICANT: Esche Ekinaduse Idusogie et al
 ; TITLE OF INVENTION: Polypeptide Variants

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; FILDS REFERENCES:  F12002
;
; CURRENT APPLICATION NUMBER:  US/09/282,846
; CURRENT FILING DATE:  1999-03-31
;
; NUMBER OF SEQ ID NOS:  2

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; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORGANISM: A

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; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence i

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Query Match	86.7%	Score 1073	DB 4	Len
! Patent NO. 6528624				
US-09-282-846-1				

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21 DIVT.TOSPEST.SASVDEVTITTKASOSUDYDNDGNSVMMVYOKRGOAPLI.TYASNIES 80
      Rest Local Similarly 95.4%; Pctd. NO. 5.06-84;
      Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

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Db 1 D I Q L T Q S P S L S A V G D R V T I T C R A S K P V D G E G D S Y M N W T Q Q K P G A P K L I Y A A S I Y L E S 60

Db 61 GVPKRFSGSGSDTPTLTISLQPEDFATYCCQSHEDPYFGGQKVEIKRTVAAPSVF 120

Db 121 IFPSDEQLKSGTASVVCLLNFPYREARKQWKDNALQSGNSQESVTEQDSKDSYLS 180

Db 181 STLTISKADYEKHKVACEVTHQGLSSPTTKSFNRGEC 218

RESULT 10
US-09-680-145-1
; Sequence 1, Application US/09680145

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; GENERAL INFORMATION:
;
; APPLICANT: Esche Ekinaduese Idusogie et al
;
; TITLE OF INVENTION: Polypeptide Variants

```

; CURRENT APPLICATION NUMBER: US/09/680,145
 ;
 ; CURRENT FILING DATE: 2000-10-03
 ;
 ; PRIOR APPLICATION NUMBER: 09/282,505

```

; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 218
;

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; NAME: 234
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Artificial Sequence
;

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/ LOCATION: 1-218
/ OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124
US-09-680-145-1

```

US-09-680-145-1

Query Match 86.7%; Score 1073; DB 4; Length 218;
Best Local Similarity 95.4%; Pred. No. 5.6e-84;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSDYNNMWYQKPGQAPKLLIYAASNLNS 80
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSDYNNMWYQKPGQAPKLLIYAASNLNS 60

QY 81 GVPSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPRTFGQGTKEIKRTVAAPSVF 140
DB 61 GVPSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPRTFGQGTKEIKRTVAAPSVF 120

QY 141 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVNALQSGNSQESVTEQDSKSTYSLS 200
DB 121 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVNALQSGNSQESVTEQDSKSTYSLS 180

QY 201 STLTLISKADYEKHKYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLISKADYEKHKYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 11
US-08-887-352B-15
; Sequence 15, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-Ig8 Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887.352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-15

Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSDYNNMWYQKPGQAPKLLIYAASNLNS 80
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSDYNNMWYQKPGQAPKLLIYAASNLNS 60

QY 81 GVPSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPRTFGQGTKEIKRTVAAPSVF 140
DB 61 GVPSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPRTFGQGTKEIKRTVAAPSVF 120

QY 141 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVNALQSGNSQESVTEQDSKSTYSLS 200
DB 121 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVNALQSGNSQESVTEQDSKSTYSLS 180

QY 201 STLTLISKADYEKHKYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLISKADYEKHKYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 12
US-08-887-352B-17
; Sequence 17, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-Ig8 Antibodies and Method of
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887.352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-17

Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTQSPSSLSASVGDRTVITTCRASQSVYDGDSDYNNMWYQKPGQAPKLLIYAASNLNS 80
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASQSVYDGDSDYNNMWYQKPGQAPKLLIYAASNLNS 60

QY 81 GVPSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPRTFGQGTKEIKRTVAAPSVF 140
DB 61 GVPSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPRTFGQGTKEIKRTVAAPSVF 120

QY 141 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVNALQSGNSQESVTEQDSKSTYSLS 200
DB 121 IFPPSDEOLKSGTASVCLNNFYPREAKVOMKVNALQSGNSQESVTEQDSKSTYSLS 180

QY 201 STLTLISKADYEKHKYVACEVTHQGLSPVTKSFNRGEC 238
DB 181 STLTLISKADYEKHKYVACEVTHQGLSPVTKSFNRGEC 218

RESULT 13
US-08-887-352B-19
; Sequence 19, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19
Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 21 DIVLTGSPSSLSASVGRVTITTCASQSVYDGDSDSYNNWYQOKPGQAPKLLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITTCASQSVYDGDSDSYNNWYQOKPGQAPKLLIYAASNLS 60
QY 81 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHDPYFGGTVEIKRTVAAPSVF 140
DB 61 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHDPYFGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFPYREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFPYREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 218
RESULT 14
US-08-887-352B-24
Sequence 24; Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24
Query Match 86.5%; Score 1070; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 21 DIVLTGSPSSLSASVGRVTITTCASQSVYDGDSDSYNNWYQOKPGQAPKLLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITTCASQSVYDGDSDSYNNWYQOKPGQAPKLLIYAASNLS 60
QY 81 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHDPYFGGTVEIKRTVAAPSVF 140
DB 61 GVPSRFGSGSGDPTLTITSSLOPEDPATYTCQOSHDPYFGGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFPYREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFPYREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPYTKSFNRGEC 218
RESULT 15
US-09-109-207C-15
Sequence 15; Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123RI
CURRENT APPLICATION NUMBER: US/09/109,207C
CURRENT FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 15
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-15
Query Match 86.5%; Score 1070; DB 3; Length 218;
Best Local Similarity 95.0%; Pred. No. 1e-83;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 21 DIVLTGSPSSLSASVGRVTITTCASQSVYDGDSDSYNNWYQOKPGQAPKLLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITTCASQSVYDGDSDSYNNWYQOKPGQAPKLLIYAASNLS 60

Mon Feb 23 07:54:34 2004

QY	81	GVPSPFSGSGSGNDPFLTITSSLOPEDFATYYCOQSNEDPRTFGQTKVEIKRTVAAPSVF	140
Db	61	GVPSPFSGSGSGNDPFLTITSSLOPEDFATYYCOQSHEDPRTFGQTKVEIKRTVAAPSVF	120
QY	141	IPPSDEQLKSGTASVVCILNFFPREAKVQWKVDNALQSGNSQESVTEODSKDSTYSLS	200
Db	121	IPPSDEQLKSGTASVVCILNFFPREAKVQWKVDNALQSGNSQESVTEODSKDSTYSLS	180
QY	201	STLTLSKADYEKHKYACCEVTTHOGLSSPYTKSFNRGEC	238
Db	181	STLTLSKADYEKHKYACCEVTTHOGLSSPYTKSFNRGEC	218

Search completed: February 20, 2004, 13:35:07
 Job time : 7.89311 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-129

Perfect score: 1237
Sequence: 1 METDTLLMWLLWVPGSTG.....EVTHQGLSPYTKSPNKGEC 238

Scoring table:

BLOSUM62
Gap 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1237	100.0	238	12	US-10-384-933-129 Sequence 129, App
2	1237	100.0	238	15	US-10-216-484-129 Sequence 129, App
3	1233	99.7	238	12	US-10-384-933-127 Sequence 127, App
4	1233	99.7	238	15	US-10-216-484-127 Sequence 127, App
5	1232	99.6	238	12	US-10-384-933-131 Sequence 131, App
6	1232	99.6	238	15	US-10-216-484-131 Sequence 131, App
7	1177	95.1	238	12	US-10-384-933-107 Sequence 107, App
8	1177	95.1	238	15	US-10-216-484-107 Sequence 107, App
9	1172	94.7	238	12	US-10-384-933-50 Sequence 50, Appl
10	1172	94.7	238	15	US-10-216-484-50 Sequence 50, Appl
11	1159	93.7	238	12	US-10-384-933-52 Sequence 52, Appl
12	1159	93.7	238	15	US-10-216-484-52 Sequence 52, Appl
13	1158	93.6	238	12	US-10-384-933-109 Sequence 109, App
14	1158	93.6	238	15	US-10-216-484-109 Sequence 109, App
15	1157	93.5	238	12	US-10-384-933-54 Sequence 54, Appl

16	1157	93.5	238	15	US-10-216-484-54 Sequence 54, Appl
17	1149	92.9	238	12	US-10-353-708-38 Sequence 38, Appl
18	1149	92.9	238	15	US-10-353-708-56 Sequence 56, Appl
19	1149	92.9	238	15	US-10-171-452A-38 Sequence 38, Appl
20	1149	92.9	238	15	US-10-171-452A-56 Sequence 56, Appl
21	1139	92.1	238	12	US-10-353-708-44 Sequence 44, Appl
22	1139	92.1	238	15	US-10-353-708-50 Sequence 50, Appl
23	1139	92.1	238	15	US-10-171-452A-44 Sequence 44, Appl
24	1139	92.1	238	15	US-10-171-452A-50 Sequence 50, Appl
25	1108	89.6	218	9	US-09-917-410-2 Sequence 2, Appl
26	1096	88.6	218	9	US-09-802-077-9 Sequence 9, Appl
27	1096	88.6	218	9	US-09-802-036-9 Sequence 9, Appl
28	1096	88.6	218	9	US-09-920-171-13 Sequence 13, Appl
29	1096	88.6	218	11	US-09-925-179-9 Sequence 9, Appl
30	1096	88.6	218	12	US-10-113-996-13 Sequence 13, Appl
31	1081	87.4	218	11	US-09-925-179-67 Sequence 67, Appl
32	1073	86.7	218	12	US-10-282-869-1 Sequence 1, Appl
33	1073	86.7	218	12	US-09-792-938-1 Sequence 1, Appl
34	1070	86.5	218	9	US-09-920-171-15 Sequence 15, Appl
35	1070	86.5	218	9	US-09-920-171-17 Sequence 17, Appl
36	1070	86.5	218	9	US-09-920-171-19 Sequence 19, Appl
37	1070	86.5	218	9	US-09-920-171-24 Sequence 24, Appl
38	1070	86.5	218	12	US-10-113-996-15 Sequence 15, Appl
39	1070	86.5	218	12	US-10-113-996-17 Sequence 17, Appl
40	1070	86.5	218	12	US-10-113-996-19 Sequence 19, Appl
41	1070	86.5	218	12	US-10-113-996-24 Sequence 24, Appl
42	1048	84.7	240	12	US-10-159-006-36 Sequence 36, Appl
43	1046	84.6	260	12	US-10-264-049-2296 Sequence 2296, Ap
44	1045	84.5	218	12	US-10-449-566-98 Sequence 98, Appl
45	1045	84.5	236	10	US-09-859-053-30 Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-10-384-933-129
; Sequence 129, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1nufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuro
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Pas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 129
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-129
Query Match 100.0%; Score 1237; DB 12; Length 238;
Best local Similarity 100.0%; Pred. No. 1.3e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 METDTLLMWLLWVPGSTGIVLTQSPSSISAVGVRRITTCRASQSVVDGSSYMWY 60
Db 1 METDTLLMWLLWVPGSTGIVLTQSPSSISAVGVRRITTCRASQSVVDGSSYMWY 60
Cy 61 QOKGQAPKLLIYASNLSEGVPSRFGSGGTFTLTISLQEDFATVYCOOSNEDPR 120

Db 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
QY 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRKAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRKAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 2
US-10-216-484-129

Sequence 129, Application US/10216484

Publication No. US20030103976A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT FILING DATE: 2002-08-09

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 129

LENGTH: 238

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: Description of Artificial Sequence: Designed light

OTHER INFORMATION: chain of humanized anti-Fas antibody

US-10-216-484-129

Query Match 100.0%; Score 1237; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 1.3e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNWY 60
Db 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNWY 60
QY 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
Db 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
QY 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRKAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRKAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-127

Sequence 127, Application US/10384933

Publication No. US200301070817A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US200301070817A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/384,933

;; CURRENT FILING DATE: 2003-02-05
;; PRIOR APPLICATION NUMBER: US 09/499,662
;; PRIOR FILING DATE: 2000-02-09
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
;; NUMBER OF SEQ ID NOS: 165
;; SEQ ID NO 127
;; LENGTH: 238
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE: Description of Artificial Sequence: Designed light
;; OTHER INFORMATION: chain of humanized anti-Fas antibody

US-10-384-933-127

Query Match 99.7%; Score 1233; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 2.7e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNWY 60
Db 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNWY 60
QY 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
Db 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
QY 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRKAKVOMKVDNALQS 180
Db 121 TFGGKTKEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRKAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-127

Sequence 127, Application US/10216484

Publication No. US20030103976A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT FILING DATE: 2002-08-09

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 127

LENGTH: 238

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: Description of Artificial Sequence: Designed light

OTHER INFORMATION: chain of humanized anti-Fas antibody

US-10-216-484-127

Query Match 99.7%; Score 1233; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 2.7e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNWY 60
Db 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITTCRASQSVVDYDGSYNNWY 60
QY 61 QOKGQAPKLLIYAASNLSEGVPSRFGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120

[illegible]

RESULT 5
US-10-384-933-131

GENERAL INFORMATION: No. US20030170817A1ufusa
APPLICANT: Serizawa, No.
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131

Query Match	99.6%	Score 1232;	DB 12;	Length 238;
Best Local Similarity	99.2%	Pred. No. 3.2e-85;		
Matches 236;	Conservative	2;	Mismatches 0;	Indels 0;
			Gaps	0;

Qy	1	MTETDTLLMVLMLWVSGSTGDIYLTQSPSLSSASVGBRVITTCASQSVYDGDSTNNWY	60
Db	1	MTETDTLLMVLMLWVSGSTGDIYLTQSPSLSSASVGBRVITTCASQSVYDGDSTNNWY	60
Qy	61	QKPKGAPKLLIYYAASNLESQVPSRRSGSGSGGDFTLTISLQPEDPATYTCQDSNEDPR	120
Db	61	QKPKGAPKLLIYYAASNLESQVPSRRSGSGSGGDFTLTISLQPEDPATYTCQDSNEDPR	120
Qy	121	TFGGGTKVEIKRTVAAPSVFIPPPSDBQLKSGTASVVCILNNFYPREAKTQMKYDNLQ	180
Db	121	TFGGGTKVEIKRTVAAPSVFIPPPSDBQLKSGTASVVCILNNFYPREAKTQMKYDNLQ	180
Qy	181	GNSQSSVTEODSKDSTYSLSSTLTLSKADVEKKHYVACEVTHQGLSPVTKSFVRGRC	238
Db	181	GNSQSSVTEODSKDSTYSLSSTLTLSKADVEKKHYVACEVTHQGLSPVTKSFVRGRC	238

RESULT 6
US-10-216-484-131

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikko
APPLICANT: Takahashi, Toku
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126C1/HG

```

CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-131

Query Match:          99.6%; Score 1232; DB 15; Length 238;
Best Local Similarity 99.2%; Pred. No. 3,2e-85;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```

OTHER INFORMATION: Description of Artificial Sequence: Designed light chain of humanized anti-Fas antibody

Query Match	99.6%	Score 1232	DB 15	Length 238
Best Local Similarity	99.2%	Pred. No. 3,2e-85		
Matches	236	Conservative	2	Mismatches 0, Indels 0, Gaps 0
QY	1	METDTLLMLVLLMLWPSTGTDIVLTQSSSSLSASVGDRTITCKASQSYVDYGDSTMMNY	60	
Db	1	METDTLLMLVLLMLWPSTGTDIVLTQSSSSLSASVGDRTITCKASQSYVDYGDSTMMNY	60	
QY	61	QOKPGQAFKLLIYAASNLESGVPSRFSGSGSTDTLTLTISLQPEDFATYYCOQSNEDPR	120	
Db	61	QOKPGKAKRLIYAASNLESGIPIPSRFSGSGSTDTLTLTISLQPEDFATYYCOQSNEDPR	120	
QY	121	TFGGSTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYPREAKYQMKVDNALOS	180	
Db	121	TFGGSTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLINNFYPREAKYQMKVDNALOS	180	
QY	181	GNSSQSVTEQDSKOSTYLSLSTLLTSKADYEKHKYAAACEVTHQGLSPPTKSPNREGC	238	
Db	181	GNSSQSVTEQDSKOSTYLSLSTLLTSKADYEKHKYAAACEVTHQGLSPPTKSPNREGC	238	

RESULT 7

```

: Publication 107, Application US/103849933
: Publication No. US20030170817A1
: GENERAL INFORMATION:
: APPLICANT: Serizawa, No. US20030170817A1ufusa
: APPLICANT: Haruyama, Hideyuki
: APPLICANT: Nakahara, Kaori
: APPLICANT: Tamaki, Ikuro
: APPLICANT: Takahashi, Tohru
: TITLE OR INVENTION: Anti-Fas Antibodies
: FILE REFERENCE: 980126CIP/HG
: CURRENT APPLICATION NUMBER: US/10/384,933
: CURRENT FILING DATE: 2003-02-05
: PRIOR APPLICATION NUMBER: US/09/499,662
: PRIOR FILING DATE: 2000-02-09
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
: NUMBER OF SEQ ID NOS: 165
: SEQ ID NO 107
: LENGTH: 238
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURES:
: OTHER INFORMATION: Description of Artificial Sequence: Designed 11gth
: OTHER INFORMATION: chain of humanized anti-Fas antibody
: US-10-384-933-107

```

Query Match	95.1%	Score 1177	DB 12	Length 238
Best Local Similarity	93.3%	Pred. No. 4.4e-81		
Matches 222	Conservative	9	Mismatches 7	Indels 0
				Gaps 0

```
QY      1 METDTLLMVLILMWPGSTGDIYLQTSPSSLASGVDRVTITCKASQSVDYDGDSTNNWY    600
|||||
Db      1 METDTLLMVLILMWPGSTGEIYLQTSPCTLSLSPGERATLSCKASQSVYDGDSTNNWY    600
```

Qy 61 QOKFGQAPKLLIYAASNLSEGVSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPR 120
Db 61 QOKFGQAPRLIYAASNLSEGIPIRFSGSGGTDFTLTISRLEPDAVYYCQGSNEDPR 120
Qy 121 TFGGCTKEIKRTVAAPSVFIFFPPSDEQLKSGTASVCLNNFYREAKVQWKVDNALQS 180
Db 121 TFGGCTKEIKRTVAAPSVFIFFPPSDEQLKSGTASVCLNNFYREAKVQWKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKYACVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKYACVTHQGLSPVTKSFPNRGEC 238

RESULT 8

US-10-216-484-107
; Sequence 107, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 107
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 95.1%; Score 1177; DB 15; Length 238;
Best Local Similarity 93.3%; Pred. No. 4.4e-81;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;
Qy 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDGSYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDGSYNNMWY 60
Qy 61 QOKFGQAPKLLIYAASNLSEGVSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPR 120
Db 61 QOKFGQAPRLIYAASNLSEGIPIRFSGSGGTDFTLTISRLEPDAVYYCQGSNEDPR 120
Qy 121 TFGGCTKEIKRTVAAPSVFIFFPPSDEQLKSGTASVCLNNFYREAKVQWKVDNALQS 180
Db 121 TFGGCTKEIKRTVAAPSVFIFFPPSDEQLKSGTASVCLNNFYREAKVQWKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKYACVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKYACVTHQGLSPVTKSFPNRGEC 238

RESULT 9

US-10-384-933-50
; Sequence 50, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies

; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

Query Match 94.7%; Score 1172; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 1e-80; Indels 8; Gaps 0;
Matches 221; Conservative 9; Mismatches 8;
Qy 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDGSYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDGSYNNMWY 60
Qy 61 QOKFGQAPKLLIYAASNLSEGVSPRFSGSGGTDFTLTISLQPEDFATYYCQGSNEDPR 120
Db 61 QOKFGQAPRLIYAASNLSEGIPIRFSGSGGTDFTLTISRLEPDAVYYCQGSNEDPR 120
Qy 121 TFGGCTKEIKRTVAAPSVFIFFPPSDEQLKSGTASVCLNNFYREAKVQWKVDNALQS 180
Db 121 TFGGCTKEIKRTVAAPSVFIFFPPSDEQLKSGTASVCLNNFYREAKVQWKVDNALQS 180
Qy 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKYACVTHQGLSPVTKSFPNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSSTLTLSKADYEKHKYACVTHQGLSPVTKSFPNRGEC 238

RESULT 10

US-10-216-484-50
; Sequence 50, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 50
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 94.7%; Score 1172; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 1e-80; Indels 8; Gaps 0;
Matches 221; Conservative 9; Mismatches 8;
Qy 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDGSYNNMWY 60
Db 1 METDTILLWVLLWVPGSTGDIYVLTQSPSSLSASVGRVTITCKASQSVYDGDGSYNNMWY 60

QY 61 OOKPGQAPKLLIYAASNLSEGVSPRFGSGSGTDTFTLTISSLOPEDPATYTCQOQSNEDPR 120
Db 61 OOKPGQAPKLLIYAASNLSEGVSPRFGSGSGTDTFTLTISSLOPEDPATYTCQOQSNEDPR 120
QY 121 TFGGCTKREIKRTVAAPSVFIFFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGCTKREIKRTVAAPSVFIFFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYKHKYKACVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYKHKYKACVTHQGLSPVTSFNRGEC 238

RESULT 11

US-10-384-933-52
; Sequence 52, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-52

Query Match 93.7%; Score 1159; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 9.9e-80;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSDVDYDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSDVDYDGSYNNMY 60
QY 61 OOKPGQAPKLLIYAASNLSEGVSPRFGSGSGTDTFTLTISSLOPEDPATYTCQOQSNEDPR 120
Db 61 OOKPGQAPKLLIYAASNLSEGVSPRFGSGSGTDTFTLTISSLOPEDPATYTCQOQSNEDPR 120
QY 121 TFGGCTKREIKRTVAAPSVFIFFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGCTKREIKRTVAAPSVFIFFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYKHKYKACVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYKHKYKACVTHQGLSPVTSFNRGEC 238

RESULT 12

US-10-216-484-52
; Sequence 52, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru

; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 52
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-52

Query Match 93.7%; Score 1159; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 9.9e-80;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

QY 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSDVDYDGSYNNMY 60
Db 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSDVDYDGSYNNMY 60
QY 61 OOKPGQAPKLLIYAASNLSEGVSPRFGSGSGTDTFTLTISSLOPEDPATYTCQOQSNEDPR 120
Db 61 OOKPGQAPKLLIYAASNLSEGVSPRFGSGSGTDTFTLTISSLOPEDPATYTCQOQSNEDPR 120
QY 121 TFGGCTKREIKRTVAAPSVFIFFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
Db 121 TFGGCTKREIKRTVAAPSVFIFFPPSDEOLKSGTASVCLNNFYPREAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYKHKYKACVTHQGLSPVTSFNRGEC 238
Db 181 GNSQSVTEQDSKQSTYSLSTLTLSKADYKHKYKACVTHQGLSPVTSFNRGEC 238

RESULT 13

US-10-384-933-109
; Sequence 109, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-109

Query Match 93.6%; Score 1158; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 1.2e-79;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;
QY 1 METDTILLWVLLWVPGSTGDIIVLTQSPSSLSASVGRVITTCRASQSDVDYDGSYNNMY 60

```

Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGDRTITCKASQSDVDYDGSYNNWY 60
Qy      61 OOKFGQAPKLLIYAASNLSEGVPSRFGSGSGDTFTLTISLQPEDFATYYCQOSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKFGQAPKLLIYAASNLSEGIPIRFGSGSGDTFTLTIIHVEEDATYYCQOSNEDPR 120
Qy      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACEVTHQGLSSPYTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACEVTHQGLSSPYTKSFNRGEC 238

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RESULT 14

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US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hattuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

```

```

Query Match      93.6%; Score 1158; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 1.2e-79;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGDRTITCKASQSDVDYDGSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGDRTITCKASQSDVDYDGSYNNWY 60
Qy      61 OOKFGQAPKLLIYAASNLSEGVPSRFGSGSGDTFTLTISLQPEDFATYYCQOSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKFGQAPKLLIYAASNLSEGIPIRFGSGSGDTFTLTIIHVEEDATYYCQOSNEDPR 120
Qy      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACEVTHQGLSSPYTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACEVTHQGLSSPYTKSFNRGEC 238

```

RESULT 15

```

US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hattuyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

```

```

Query Match      93.5%; Score 1157; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 1.4e-79;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

```

```

Qy      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGDRTITCKASQSDVDYDGSYNNWY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      1 METDTILLMVLWVPGSTGDIIVLTQSPSSLSASVGDRTITCKASQSDVDYDGSYNNWY 60
Qy      61 OOKFGQAPKLLIYAASNLSEGVPSRFGSGSGDTFTLTISLQPEDFATYYCQOSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 OOKFGQAPKLLIYAASNLSEGIPIRFGSGSGDTFTLTIIHVEEDATYYCQOSNEDPR 120
Qy      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      121 TFGGCTKLEIKRTVAAPSVFIIPPSPDEQLKSGTASVCLNNFYPREAKVQMKVDNALQS 180
Qy      181 GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACEVTHQGLSSPYTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 GNSQESVTEQDSKSTYSLSSTLTLSKADYERKHYACEVTHQGLSSPYTKSFNRGEC 238

```

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Search completed: February 20, 2004, 14:25:36
Job time : 19.0466 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 7.89311 Seconds
(without alignment)
1275.794 Million cell updates/sec

Title: US-09-499-662-131

Perfect score: 1237
Sequence: 1 MENDTILWLVLLWVPGSTG.....EVTHQGLSPVTKSFNRGEC 238Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUTS COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1113	90.0	218	5	PCT-US96-13152-2
2	1099	88.8	218	2	US-08-887-352B-13
3	1099	88.8	218	3	US-08-466-151-9
4	1099	88.8	218	3	US-09-109-207C-13
5	1099	88.8	218	3	US-09-296-005-13
6	1099	88.8	218	4	US-08-466-163B-9
7	1076	87.0	218	3	US-09-282-505-1
8	1076	87.0	218	3	US-09-054-255-1
9	1076	87.0	218	4	US-09-282-846-1
10	1076	87.0	218	4	US-09-680-145-1
11	1073	86.7	218	2	US-08-887-352B-15
12	1073	86.7	218	2	US-08-887-352B-17
13	1073	86.7	218	2	US-08-887-352B-19
14	1073	86.7	218	2	US-08-887-352B-24
15	1073	86.7	218	3	US-09-109-207C-15
16	1073	86.7	218	3	US-09-109-207C-17
17	1073	86.7	218	3	US-09-109-207C-19
18	1073	86.7	218	3	US-09-109-207C-24
19	1073	86.7	218	3	US-09-296-005-15
20	1073	86.7	218	3	US-09-296-005-17
21	1073	86.7	218	3	US-09-296-005-19
22	1073	86.7	218	3	US-09-296-005-24
23	1043	84.3	240	4	US-09-301-593-36
24	1039	84.0	234	4	US-09-740-002-24
25	1021.5	82.6	233	2	US-07-934-373C-25
26	1021.5	82.6	233	3	US-08-437-642B-25
27	1021.5	82.6	233	4	US-08-146-206C-25

28	1021.5	82.6	233	5	PCT-US93-07832-25	Sequence 25, Appl
29	1018	82.3	214	2	US-07-934-373C-39	Sequence 39, Appl
30	1018	82.3	214	3	US-08-437-642B-39	Sequence 39, Appl
31	1018	82.3	214	5	PCT-US93-07832-39	Sequence 39, Appl
32	1013	81.9	214	2	US-07-934-373C-40	Sequence 40, Appl
33	1013	81.9	214	2	US-08-788-800-11	Sequence 11, Appl
34	1013	81.9	214	3	US-08-437-642B-40	Sequence 40, Appl
35	1013	81.9	214	3	US-09-097-309-2	Sequence 2, Appl
36	1013	81.9	214	3	US-09-097-171A-2	Sequence 2, Appl
37	1013	81.9	214	4	US-09-460-587-2	Sequence 2, Appl
38	1013	81.9	214	5	PCT-US93-07832-40	Sequence 40, Appl
39	1013	81.9	237	3	US-09-097-309-6	Sequence 6, Appl
40	1013	81.9	237	3	US-09-097-171A-10	Sequence 10, Appl
41	1013	81.9	237	3	US-09-422-712B-2	Sequence 2, Appl
42	1013	81.9	237	3	US-09-607-756-2	Sequence 2, Appl
43	1013	81.9	237	4	US-09-460-587-6	Sequence 6, Appl
44	1009.5	81.6	242	2	US-09-027-449-62	Sequence 62, Appl
45	1009.5	81.6	242	3	US-09-026-985-62	Sequence 62, Appl

ALIGNMENTS

RESULT 1
PCT-US96-13152-2
Sequence 2, Application PC/TUS9613152
GENERAL INFORMATION:
APPLICANT: Martin, Ulrich, et al.
TITLE OF INVENTION: Anti-selectin antibodies for prevention of multiple organ fai
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
ADDRESSEE: Attn: Norman D. Hanson
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Computer Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/13152
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/578,953
FILING DATE: 27-Dec-95
APPLICATION NUMBER: EP 95 112 895.8
FILING DATE: 17-Aug-95
APPLICATION NUMBER: EP 95 114 969.9
FILING DATE: 19-Sep-95
ATTORNEY/AGENT INFORMATION:
NAME: Norman D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1059-PCT-PFF/NDH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 838-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 218
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-13152-2
Query Match 90.0%, Score 1113, DB 5, Length 218,
Best Local Similarity 98.6%, Pred. No. 2e-87,
Matches 215, Conservative 1, Mismatches 2, Indels 0, Gaps 0;

Qy	21	DIYVTOGPPSSLSASVEGRVITTTCAAGSVYDDGSYNNWYQKQPGKAPKLLIYAASNLSS	80
Dp	1	DIQMTGPPSSLSASVEGRVITTTCAAGSVYDDGSYNNWYQKQPGKAPKLLIYAASNLSS	60
Qy	81	GIPRFSGSGSGTDFTLTISLQEPEDATYYCOOSNEDPRTFGQGTKEIKRTVAAPSVF	140
Dp	61	GIPRFSGSGSGTDFTLTISLQEPEDATYYCOOSNEDPRTFGQGTKEIKRTVAAPSVF	120
Qy	141	IFPPSDQOLKSGTASVYCLANNPFPRAKQKQMYADALQSGNSQESVTEQDSKDSYSLSS	200
Dp	121	IFPPSDQOLKSGTASVYCLANNPFPRAKQKQMYADALQSGNSQESVTEQDSKDSYSLSS	180
Qy	201	STLTLSKADYEKHKVYACEVTHQGLSPVYTKSPFRGEC	238
Dp	181	STLTLSKADYEKHKVYACEVTHQGLSPVYTKSPFRGEC	218

RESULT 2
 US-08-887-352B-13
 Sequence 13, Application US/08887352B
 Patent No. 5994511
 GENERAL INFORMATION:
 APPLICANT: Henry B. Lowman, Leonard G. Prestea, Paula M. Jardieu, John Lowman
 TITLE OF INVENTION: Improved Anti-19S Antibodies and Method of
 TITLE OF INVENTION: Improving Polypeptides
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/887,352B
 FILING DATE: 03-Jul-1997
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Svoboda, Craig G.
 REGISTRATION NUMBER: 39,044
 REFERENCE/DOCKET NUMBER: P1123
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1489
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 218 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear

Query Match	88.8%;	Score 1099;	DB 2;	Length 218;
Best Local Similarity	97.2%;	Pred. No. 3.1e-86;		
Matches 212;	Conservative 3;	Mismatches 3;	Indels 0;	Gaps 0.

QY	21	DI VLTQSSSSLSASVGDVVTIKCKASQSDVYGBDSYMMWYQCKPKKAPLLLYAASNNES	80
Db	1	DIQLTQSSSSLSASVGDVVTIKCRASQSDVYDGDSDYMMWYQCKPKKAPLLLYAASYLESS	60
QY	81	GIPRFSGSGSGTDLTLTITSLQRPADPATYVYQCSNEDPRFGQGTKYEIKRTVAAPSVF	140
Db	61	GVPKRFSSGSGSTDTLTITSLQRPEDPATYVYQCSHEDPYTTCGGTKYEIKRTVAAPSVF	120
QY	141	IFPPSDEQLKSGTASVCLANNFYREAKVQKRTDNALQSGNSQSSVTEQDSKDSYSLIS	200
Db	121	IFPPSDEQLKSGTASVCLANNFYREAKVQKRTDNALQSGNSQSSVTEQDSKDSYSLIS	180

[illegible]

```

1      RESULT 3
2      US-08-466-151-9
3      Sequence 9, Application US/08466151
4      Patent No. 6037453
5      GENERAL INFORMATION:
6      APPLICANT: Jarden, Paula M.
7      APPLICANT: Presta, Leonard G.
8      TITLE OF INVENTION: Immunoglobulin Variants
9      NUMBER OF SEQUENCES: 65
10     CORRESPONDENCE ADDRESS:
11     ADDRESSEE: Genentech, Inc.
12     STREET: 1 DNA Way
13     CITY: South San Francisco
14     STATE: California
15     COUNTRY: USA
16     ZIP: 94080
17
18     COMPUTER READABLE FORM:
19     MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
20     COMPUTER: IBM PC compatible
21     OPERATING SYSTEM: PC-DOS/MS-DOS
22     SOFTWARE: WinpatIn (Genentech)
23     CURRENT APPLICATION DATA:
24     APPLICATION NUMBER: US/08/466,151
25     FILING DATE:
26
27     CLASSIFICATION:
28     PRIOR APPLICATION DATA:
29     APPLICATION NUMBER: 08/466163
30     FILING DATE: 06-Jun-1995
31     APPLICATION NUMBER: 08/405617
32     FILING DATE: 15-MAR-1995
33     PRIOR APPLICATION DATA:
34     APPLICATION NUMBER: 08/185899
35     FILING DATE: 26-JAN-1994
36     PRIOR APPLICATION DATA:
37     APPLICATION NUMBER: 07/879495
38     FILING DATE: 07-MAY-1992
39     PRIOR APPLICATION DATA:
40     APPLICATION NUMBER: 07/744768
41     FILING DATE: 14-AUG-1991
42     ATTORNEY/AGENT INFORMATION:
43     NAME: Svoboda, Craig G.
44     REGISTRATION NUMBER: 39,044
45     REFERENCE/POCKET NUMBER: P0718P2CID1
46     TELECOMMUNICATION INFORMATION:
47     TELEPHONE: 650/225-1489
48     TELEFAX: 650/952-9881
49     INFORMATION FOR SEQ ID NO: 9:
50     SEQUENCE CHARACTERISTICS:
51     LENGTH: 218 amino acids
52     TYPE: Amino Acid
53     TOPOLOGY: Linear
54
55     US-08-466-151-9

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Query Match	88.8%	Score 1099;	DB 3;	Length 218;
Best Local Similarity	97.2%	Pred. No. 3.1e-86;		
Matches 212; Conservative	3;	Mismatches 3;	Indels 0;	Gaps 0;

Qy	21	DI VLTOSPSLSASVGRVITTCASOSVYDGSYNNWYQKRGKAPKLLIYAASNES	80
Ds	1	DI QLTQSPSSLSASVGRVITTCASOSVYDGSYNNWYQKRGKAPKLLIYAASYES	60
Qy	81	GIPSRFSGSGSGMTLTLSLQPEDATYYCQOSNEDPRFGGKTKEIKRTVAAPSVF	140
Ds	61	GVPRFSGSGSGMTLTLSLQPEDATYYCQOSHEDPRFGGKTKEIKRTVAAPSVF	120
Qy	141	IFPSSDQLSGTASVYCLNNFAPREAKVQWKVDNALQSGNSQSEVTEQDSKDSYSL	200
Ds	121	IFPSSDQLSGTASVYCLNNFAPREAKVQWKVDNALQSGNSQSEVTEQDSKDSYSL	180

QY 201 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 238
 DB 181 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 218

RESULT 4

US-09-109-207C-13
 ; Sequence 13, Application US/09109207C

; Patent No. 6172213
 ; GENERAL INFORMATION:

; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
 ; TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of Improving Polypeptide

; FILE REFERENCE: P1123R1
 ; CURRENT APPLICATION NUMBER: US/09/109,207C

; PRIOR FILING DATE: 1998-06-30
 ; PRIOR APPLICATION NUMBER: US 60/051,554

; PRIOR FILING DATE: 1997-07-03
 ; NUMBER OF SEQ ID NOS: 44

; SEQ ID NO 13
 ; LENGTH: 218

; TYPE: PRT
 ; ORGANISM: Artificial

; FEATURE:
 ; NAME/KEY: Artificial

; LOCATION: 1-218
 ; OTHER INFORMATION: Light chain sequence derived from MAE11

US-09-109-207C-13

Query Match 88.8%; Score 1099; DB 3; Length 218;
 Best Local Similarity 97.2%; Pred. No. 3,1e-86;
 Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTTTCASQSVYDGDSTNNWYQKRGKAPKLLIYAASNLES 80
 DB 1 DIQLTQSPSSLSASVGRVTTTCASQSVYDGDSTNNWYQKRGKAPKLLIYAASNLES 60
 QY 81 GIPSRFSGSGSGDTFTLTISLSLOPEDFATYCCQSNEDPRTFGQGTKEIKRTVAAPSVF 140
 DB 61 GIPSRFSGSGSGDTFTLTISLSLOPEDFATYCCQSHEDPYTFGQGTKEIKRTVAAPSVF 120
 QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNQESVTEQDSKDSYSL 200
 DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNQESVTEQDSKDSYSL 180
 QY 201 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 238
 DB 181 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 218

RESULT 5

US-09-236-005-13
 ; Sequence 13, Application US/09296005

; Patent No. 6290957
 ; GENERAL INFORMATION:

; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
 ; TITLE OF INVENTION: Improved Anti-19E Antibodies and Method of Improving Polypeptides

; FILE REFERENCE: P1123R1
 ; CURRENT APPLICATION NUMBER: US/09/296,005

; PRIOR FILING DATE: 1999-04-21
 ; EARLIER APPLICATION NUMBER: US 08/887,352

; PRIOR FILING DATE: 1997-07-02
 ; NUMBER OF SEQ ID NOS: 26

; SEQ ID NO 13
 ; LENGTH: 218

; TYPE: PRT
 ; ORGANISM: Artificial

; FEATURE:
 ; NAME/KEY: Artificial

; LOCATION: 1-218
 ; OTHER INFORMATION: Light chain sequence derived from MAE11

US-09-236-005-13

Query Match 88.8%; Score 1099; DB 3; Length 218;
 Best Local Similarity 97.2%; Pred. No. 3,1e-86;
 Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTTTCASQSVYDGDSTNNWYQKRGKAPKLLIYAASNLES 80
 DB 1 DIQLTQSPSSLSASVGRVTTTCASQSVYDGDSTNNWYQKRGKAPKLLIYAASNLES 60
 QY 81 GIPSRFSGSGSGDTFTLTISLSLOPEDFATYCCQSNEDPRTFGQGTKEIKRTVAAPSVF 140
 DB 61 GIPSRFSGSGSGDTFTLTISLSLOPEDFATYCCQSHEDPYTFGQGTKEIKRTVAAPSVF 120
 QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNQESVTEQDSKDSYSL 200
 DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNQESVTEQDSKDSYSL 180
 QY 201 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 238
 DB 181 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 218

RESULT 6

US-08-466-163B-9
 ; Sequence 9, Application US/08466163B

; Patent No. 6329509
 ; GENERAL INFORMATION:

; APPLICANT: Jardiou, Paula M.
 ; APPLICANT: Presta, Leonard G.

; TITLE OF INVENTION: Immunoglobulin Variants
 ; FILE REFERENCE: P0718P2C1D1

; CURRENT APPLICATION NUMBER: US/08/466,163B
 ; PRIOR FILING DATE: 1995-06-06

; PRIOR APPLICATION NUMBER: US 08/405,617
 ; PRIOR FILING DATE: 1995-03-15

; PRIOR APPLICATION NUMBER: US 08/185,899
 ; PRIOR FILING DATE: 1994-01-26

; PRIOR APPLICATION NUMBER: US 07/879,495
 ; PRIOR FILING DATE: 1992-05-07

; PRIOR APPLICATION NUMBER: US 07/744,768
 ; PRIOR FILING DATE: 1991-08-14

; NUMBER OF SEQ ID NOS: 64
 ; SEQ ID NO 9

; LENGTH: 218
 ; TYPE: PRT

; ORGANISM: Artificial sequence
 ; FEATURE:

; OTHER INFORMATION: humanized maell, version 1, light chain
 US-08-466-163B-9

Query Match 88.8%; Score 1099; DB 4; Length 218;
 Best Local Similarity 97.2%; Pred. No. 3,1e-86;
 Matches 212; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSLSASVGRVTTTCASQSVYDGDSTNNWYQKRGKAPKLLIYAASNLES 80
 DB 1 DIQLTQSPSSLSASVGRVTTTCASQSVYDGDSTNNWYQKRGKAPKLLIYAASNLES 60
 QY 81 GIPSRFSGSGSGDTFTLTISLSLOPEDFATYCCQSNEDPRTFGQGTKEIKRTVAAPSVF 140
 DB 61 GIPSRFSGSGSGDTFTLTISLSLOPEDFATYCCQSHEDPYTFGQGTKEIKRTVAAPSVF 120
 QY 141 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNQESVTEQDSKDSYSL 200
 DB 121 IFPPSDQLKSGTASVVCCLNNFYPREAKVQWKVDNALQSNQESVTEQDSKDSYSL 180
 QY 201 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 238
 DB 181 STLTLSKADYERKHYVACEVTHOGLSSPVTKSFNRGEC 218

RESULT 7

US-09-282-505-1
 ; Sequence 1, Application US/09282505A

```

: Patent No. 6194551
: GENERAL INFORMATION:
: APPLICANT: Esocle Ekinadese Idusogie et al.
: TITLE OF INVENTION: polypeptide Variants
: PILE REFERENCE: P1266R1
: CURRENT APPLICATION NUMBER: US/09/282,505A
: CURRENT FILING DATE: 1999-03-31
: NUMBER OF SEQ ID NOS: 2
: SEQ ID NO 1
: LENGTH: 218
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: NAME/KEY: Artificial Sequence
: LOCATION: 1-218
: OTHER INFORMATION: Sequence is completely synthesized
: Patent No. 6194551
: US-09-282-505-1

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Query March	87.0%;	Score 1076;	DB 3;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 2.8e-84;		
Matches 208;	Conservative	5;	Mismatches 5;	Indels 0;
				Gaps 0;

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OY      21 DIVLTSPSSLSASVGDRTITTCASQSDYDGSYMNTYQQKPGAPAKLLIYAASLTLES    80
        |||||:::||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db       1 DQLTSPSSLSASVGDRVTITCRASKPYDGEGDSYMNWTYQQKPGAPAKLLIYAASYLES    60
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0y 8 GIPKPSFGSGSGTDFLLTISLQPEBPATYYCQSNDRPRTGQGTKEIKRTVAASVF 140
 61 GVPSKPSFGSGSGTDFLLTISLQPEBPATYYCQSNDRPYRTGQGTKEIKRTVAASVF 1200

Qy	I P P D E Q L S G T A V Y C L I N F Y P R E A K V Q K V D N A L Q S G S Q E S Y T E Q D S K D S T Y S L S	200
Db	I P P D E Q L S G T A V Y C L I N F Y P R E A K V Q K V D N A L Q S G S Q E S Y T E Q D S K D S T Y S L S	1800

[illegible]

RESULT 8
US-09-054-255-1

;; Patent No. 6242195
;; GENERAL INFORMATION:
;; APPLICANT: Esche Ekinaduse Idusogie et al
;; ATTORNEY: [REDACTED]

```

; FILE REFERENCE: P1266
; CURRENT APPLICATION NUMBER: US/09/054,255
; CURRENT FILING DATE: 1998-04-02

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; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
ORIGIN      1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218

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; FEATURE:
; OTHER INFORMATION: E27 anti-IgB antibody light chain
US-09-054-255-1

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Query Match	87.0%;	Score 1076;	DB 3;	Length 218;
Best Local Similarity	95.4%;	Pred. No. 2.8e-84;		
Matches 208; Conservative	5;	Mismatches 5;	Indels 0;	Gaps 0;

21 DIVLTQSPSSLSASVGDRTVITTCASQSVYDGDSTNNWYQQKPKGAKPLIIAASNLNES
 |||||:|:|:
 DQ 1 DIQLTQSPSSLSASVGDRTVITTCASQSPVDEGDSYNNWYQQKPKGAKPLIIAASYLESS
 DQ

Qy 81 GIPERFSGSSGTDFTLTITISLQPEPFATYYCQOQSHEDPRYTGQIKTVAAPSVF 140
Db 61 GVPERFSGSSGTDFTLTITISLQPEPFATYYCQOQSHEDPYTTCGQIKTVAAPSVF 1200

141 I F P S D E Q L S G T A S V C L I N F F Y P E A K V M K D N A L O S G N S Q E S T E O D S K D S T Y S I S 200

Dd 121 IFFPSBQLKSGIAVCLINNFYREAKVQMKVDNMLQSNQSGSVTEQDSKOSTYSL 180

Qy 201 STLTLKADYEKKHYACEVTHQGLSPVTKSFNRGEC 238

Dd 181 STLTLKADYEKKHYACEVTHQGLSPVTKSFNRGEC 218

RESULT 9
US-09-282-846-1

```
; Patent No. 6528624
;
; GENERAL INFORMATION:
;
; APPLICANT: Esophage Kinaduesse Idusogie et al
;
; TITLE OR INVENTION: Polymorphyde Variants
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; FILE REFERENCE: P1266R2
;
; CURRENT APPLICATION NUMBER: US/09/282,846
;
; CURRENT FILING DATE: 1999-03-31
;
; NUMBER OF SEQ. ID NOS.: 2

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; SEQ ID NO 1
; LENGTH: 218
; TYPE: PRT
; ORIGIN: 1

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; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-218
; OTHER INFORMATION: Sequence 1

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OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6528624
US-09-282-846-1

Query Match	87.0%	Score 1076;	DB 4;	Length 218;
Best Local Similarity	95.4%	Pred. No. 2.8e-84;		
Matches 208; Conservative	5;	Mismatches 5;	Indels 0;	Gaps 0;

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Qy      21 DIVLTQSPSSLSASVEDRVTITCKASGVSDYDGDSYNNMYQQKRGKAPKLLIYAASNLES    80
        ||| | | | | | | | | | | : | | | | | | | | | | | | | | | | | | |
Db       1 DIQLTQSPSSLSASVEDRVTITCRASGVPDGEDSYNNMYQQKRGKAPKLLIYAASYLES    60
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```

QY      81 GIPSRFSSGSGSGTFTLTISLQEDFATATCCQGSNEDPRTFGCGTKEIKRTVAAPSVF 140
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      61 GVPBRFSSGSGSGTFTLTISLQEDFATATCCQGSNEDPRTFGCGTKEIKRTVAAPSVF 120

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Oy      141 IFFPSDEQLSGTASVCLINFPFIPREAKYQWKVDNALGSGNSQSSEVTEDQSKDSTYSLS 200
         |||||
Db       121 IFFPSDEQLSGTASVCLINFPFIPREAKYQWKVDNALGSGNSQSSEVTEDQSKDSTYSLS 180
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```
QY      201 STLTISKADYEKHYACEVTHOGLSSPVTKSFNRGEC   238
          |||||
DB      181 STLTISKADYEKHYACEVTHOGLSSPVTKSFNRGEC   218
```

RESULT 10
US-09-680-145-1

Patent No. 6538124
GENERAL INFORMATION:
APPLICANT: Esohe Ekinaduse Idusogie et al

```

; FILE REFERENCE: P1266R1
; CURRENT APPLICATION NUMBER: US/09/680,145
; CURRENT FILING DATE: 2000-10-03

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; PRIOR FILING DATE: 1999
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
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; LOCATION: 1-218
; OTHER INFORMATION: Sequence is completely synthesized
; Patent No. 6538124

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US-09-680-145-1

Query Match 87.0%; Score 1076; DB 4; Length 218;
Best Local Similarity 95.4%; Pred. No. 2.8e-84;
Matches 208; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQOKPKAKPLIIYAASNLES 80
DB 1 DIQLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQOKPKAKPLIIYAASNLES 60
QY 81 GIPRFRSGSGSGDTFTLTSSLSLOPEDPATYTCQOSNEBPRFTGQGTKEIKRTYAAPSVF 140
DB 61 GIPRFRSGSGSGDTFTLTSSLSLOPEDPATYTCQOSNEBPRFTGQGTKEIKRTYAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 218

RESULT 11
US-08-887-352B-15

; Sequence 15, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-198 Antibodies and Method of
; TITLE OF INVENTION: Improving Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-887-352B-15

Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQOKPKAKPLIIYAASNLES 80
DB 1 DIQLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQOKPKAKPLIIYAASNLES 60
QY 81 GIPRFRSGSGSGDTFTLTSSLSLOPEDPATYTCQOSNEBPRFTGQGTKEIKRTYAAPSVF 140
DB 61 GIPRFRSGSGSGDTFTLTSSLSLOPEDPATYTCQOSNEBPRFTGQGTKEIKRTYAAPSVF 120

QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 180

QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 218

RESULT 12
US-08-887-352B-17

; Sequence 17, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-198 Antibodies and Method of
; TITLE OF INVENTION: Improving Polypeptides
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 218 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-887-352B-17

Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 21 DIVLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQOKPKAKPLIIYAASNLES 80
DB 1 DIQLTGSPSSISASVGRVITTCRASQSVDDYDGSYNNMWYQOKPKAKPLIIYAASNLES 60
QY 81 GIPRFRSGSGSGDTFTLTSSLSLOPEDPATYTCQOSNEBPRFTGQGTKEIKRTYAAPSVF 140
DB 61 GIPRFRSGSGSGDTFTLTSSLSLOPEDPATYTCQOSNEBPRFTGQGTKEIKRTYAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKVOMKVDNALQSGNSQESVTEODSKDSTYSLS 180
QY 201 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 238
DB 181 STLTLSKADYKHKVYACEVTHQGLSSPVTYSFNRGEC 218

RESULT 13
US-08-887-352B-19
; Sequence 19, Application US/08887352B
; Patent No. 5994511

GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-19
Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 21 DIVLTQSPSSLSASVGRVTITCKASQSDVDGDSYNNMWYQOKPKAKPLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITCKASQSDVDGDSYNNMWYQOKPKAKPLIYAASNLS 60
QY 81 GIPSRFSGSGSDFTLTISLSLOPEDPATYCCQSHEDPTFGQGTVEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDFTLTISLSLOPEDPATYCCQSHEDPTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218
RESULT 14
US-08-887-352B-24
Sequence 24; Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
TITLE OF INVENTION: Improving Polypeptides
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-24
Query Match 86.7%; Score 1073; DB 2; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 21 DIVLTQSPSSLSASVGRVTITCKASQSDVDGDSYNNMWYQOKPKAKPLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITCKASQSDVDGDSYNNMWYQOKPKAKPLIYAASNLS 60
QY 81 GIPSRFSGSGSDFTLTISLSLOPEDPATYCCQSHEDPTFGQGTVEIKRTVAAPSVF 140
DB 61 GVPSRFSGSGSDFTLTISLSLOPEDPATYCCQSHEDPTFGQGTVEIKRTVAAPSVF 120
QY 141 IFPPSDQLKSGTASVCLNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 200
DB 121 IFPPSDQLKSGTASVCLNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKSTYSL 180
QY 201 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
DB 181 STLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 218
RESULT 15
US-09-109-207C-15
Sequence 15; Application US/09109207C
Patent No. 6172213
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
FILE REFERENCE: P1123RI
CURRENT APPLICATION NUMBER: US/09/109,207C
CURRENT FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/051,554
PRIOR FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 44
SEQ ID NO 15
LENGTH: 218
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: Artificial
LOCATION: 1-218
OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-109-207C-15
Query Match 86.7%; Score 1073; DB 3; Length 218;
Best Local Similarity 95.0%; Pred. No. 5.1e-84;
Matches 207; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 21 DIVLTQSPSSLSASVGRVTITCKASQSDVDGDSYNNMWYQOKPKAKPLIYAASNLS 80
DB 1 DIQLTQSPSSLSASVGRVTITCKASQSDVDGDSYNNMWYQOKPKAKPLIYAASNLS 60

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 18.0486 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-131

Perfect score: 1237
Sequence: 1 MENTILLWVLLWVPSTG.....EVTHQGLSPVTKSFNRGEC 238

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEM_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEM_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEM_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEM_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEM_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEM_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEM_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1237	100.0	238	12	US-10-384-933-131
2	1237	100.0	238	15	US-10-216-484-131
3	1236	99.9	238	12	US-10-384-933-127
4	1236	99.9	238	15	US-10-216-484-127
5	1232	99.6	238	12	US-10-384-933-129
6	1232	99.6	238	15	US-10-216-484-129
7	1174	94.9	238	12	US-10-384-933-107
8	1174	94.9	238	15	US-10-216-484-107
9	1169	94.5	238	12	US-10-384-933-50
10	1169	94.5	238	15	US-10-216-484-50
11	1156	93.5	238	12	US-10-384-933-52
12	1156	93.5	238	15	US-10-216-484-52
13	1155	93.4	238	12	US-10-384-933-109
14	1155	93.4	238	15	US-10-216-484-109
15	1154	93.3	238	12	US-10-384-933-54

16	1154	93.3	238	15	US-10-216-484-54	Sequence 54, App1
17	1144	92.5	238	12	US-10-353-708-38	Sequence 38, App1
18	1144	92.5	238	15	US-10-353-708-56	Sequence 56, App1
19	1144	92.5	238	15	US-10-171-452A-38	Sequence 38, App1
20	1144	92.5	238	15	US-10-171-452A-56	Sequence 56, App1
21	1134	91.7	238	12	US-10-353-708-44	Sequence 44, App1
22	1134	91.7	238	15	US-10-353-708-50	Sequence 50, App1
23	1134	91.7	238	15	US-10-171-452A-44	Sequence 44, App1
24	1134	91.7	238	15	US-10-171-452A-50	Sequence 50, App1
25	1133	90.0	218	9	US-09-917-410-2	Sequence 2, App1
26	1099	88.8	218	9	US-09-802-077-9	Sequence 9, App1
27	1099	88.8	218	9	US-09-802-096-9	Sequence 9, App1
28	1099	88.8	218	9	US-09-920-171-13	Sequence 13, App1
29	1099	88.8	218	11	US-09-925-179-9	Sequence 9, App1
30	1099	88.8	218	12	US-10-113-996-13	Sequence 13, App1
31	1086	87.8	218	11	US-09-925-179-67	Sequence 67, App1
32	1076	87.0	218	12	US-10-292-869-1	Sequence 1, App1
33	1076	87.0	218	12	US-09-992-938-1	Sequence 1, App1
34	1073	86.7	218	9	US-09-920-171-15	Sequence 15, App1
35	1073	86.7	218	9	US-09-920-171-17	Sequence 17, App1
36	1073	86.7	218	9	US-09-920-171-19	Sequence 19, App1
37	1073	86.7	218	9	US-09-920-171-24	Sequence 24, App1
38	1073	86.7	218	12	US-10-113-996-15	Sequence 15, App1
39	1073	86.7	218	12	US-10-113-996-17	Sequence 17, App1
40	1073	86.7	218	12	US-10-113-996-19	Sequence 19, App1
41	1073	86.7	218	12	US-10-113-996-24	Sequence 24, App1
42	1049	84.8	260	12	US-10-264-049-2296	Sequence 2296, App1
43	1048	84.7	236	10	US-09-859-053-30	Sequence 30, App1
44	1046.5	84.6	241	15	US-10-221-945-1	Sequence 1, App1
45	1043	84.3	240	12	US-10-159-006-36	Sequence 36, App1

ALIGNMENTS

RESULT 1
US-10-384-933-131
Sequence 131, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Harizawa, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-131
Query Match 100.0%; Score 1237; DB 12; Length 238;
Best local similarity 100.0%; Pred. No. 2.7e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 MENTILLWVLLWVPSTGDIVLTOSPPSSASVGVRRITTCRASQSVVDGSSYMMWY 60
Db 1 MENTILLWVLLWVPSTGDIVLTOSPPSSASVGVRRITTCRASQSVVDGSSYMMWY 60
Cy 61 QOKGKAPKLLIVASNLDSGIPRFSQSGTDTLLTSLQPEDFATYYCOOSNEDPR 120

Db 61 QOKGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDPATYCCQGSNEDPR 120
QY 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Db 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 2
US-10-216-484-131

Sequence 131, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 131
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-131

Query Match 100.0%; Score 1237; DB 15; Length 238;
Best Local Similarity 100.0%; Pred. No. 2,7e-85;
Matches 238; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
Db 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
QY 61 QOKGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDPATYCCQGSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDPATYCCQGSNEDPR 120
QY 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Db 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 3

US-10-384-933-127
Sequence 127, Application US/10384933
Publication No. US200301070817A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US200301070817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-127

Query Match 99.9%; Score 1236; DB 12; Length 238;
Best Local Similarity 99.6%; Pred. No. 3,2e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
Db 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
QY 61 QOKGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDPATYCCQGSNEDPR 120
Db 61 QOKGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDPATYCCQGSNEDPR 120
QY 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
Db 121 TFGGKTVEIKRTVAAPSVFIFFPSDEQLKSGTASVCLNNFYPRBAKVOMKVDNALQS 180
QY 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
Db 181 GNSQSVTEQDSKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

RESULT 4

US-10-216-484-127
Sequence 127, Application US/10216484
Publication No. US20030103976A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OR INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 127
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-127

Query Match 99.9%; Score 1236; DB 15; Length 238;
Best Local Similarity 99.6%; Pred. No. 3,2e-85;
Matches 237; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
Db 1 METDTILLVLLWVPGSTGDIVLTQSPSSLSASVGRVITITCKASQSVYDGDGYNNMWY 60
QY 61 QOKGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLQPEDPATYCCQGSNEDPR 120

Dd	61	QCKPKGAPRLTLIYAASNLSEGVPSRRSSGGSGTDFLLTSLIQPEDPFAITYCQGSNEDPR	120
Qy	121	TFGQGTKEIKRTVAAPSVPFIPPPSDEOLKSGTASVYCLINNFYPPEAKYQMVDNALOS	180
Dd	121	TFQGQTKAEIKRTVAAPSVFIPPPSEDOLKSGTASVYCLINNFYPPEAKYQMVDNALOS	180
Qy	181	GNSGSEYTEQDSKDSTYSLSSTLTLSKALEYEKHKVACAEVTHTGLSPYTKSFNRGEC	238
Dd	181	GNSGSEVTEQDSKDSTYSLSSTLTLSKALEYEKHKVACAEVTHTGLSPYTKSFNRGEC	238

RESULT 5
 US-10-384-933-129
 Sequence 129, Application US/10384933
 Publication No. US20030170817A1
 GENERAL INFORMATION:
 APPLICANT: Serizawa, No. US20030170817A1ufusa
 APPLICANT: Haruyama, Hideyuki
 APPLICANT: Nakahara, Kaori
 APPLICANT: Tamaki, Ikuko
 APPLICANT: Takahashi, Toru
 TITLE OF INVENTION: Anti-Fas Antibodies
 FILE REFERENCE: 980126C1P/HG
 CURRENT APPLICATION NUMBER: US/10/384, 933
 CURRENT FILING DATE: 2003-02-05
 PRIOR APPLICATION NUMBER: US/09/499, 662
 PRIOR FILING DATE: 2000-02-09
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 NUMBER OF SEQ ID NOS: 165
 SEQ ID NO 129
 LENGTH: 238
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURES:
 OTHER INFORMATION: Description of Artificial Sequence: Designed light
 OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-384-933-129

Query Match	99.6%	Score 1232	DB 12	Length 238
Best Local Similarity	99.2%	Pred. No. 6	4e-85	
Matches 236	Conservative 2	Mismatches 0	Indels 0	Gaps 0
Qy	1	METDTILLMVLILMWPGSTGDIIVLTQSPSSLSASVDGRVITTCKAQSDVDYDGSYMWY	60	
Db	1	METDTILLMVLILMWPGSTGDIIVLTQSPSSLSASVDGRVITTCKAQSDVDYDGSYMWY	60	
Qy	61	QOKPKAPKRLILYAASNLESGIPSRSGSGSGDFLTLSILOPEFPATYYCOQSNEDPR	120	
Db	61	QOKPKAPKRLILYAASNLESGVPSPSGSGGTDFTLTLSILOPEFPATYYCOQSNEDPR	120	
Qy	121	TFQGTKEIKETVVAAPSVFIFPPSDBOELKSGTASVVCILNMFYPREAKQWQVNDALQS	180	
Db	121	TFQGTKEIKETVVAAPSVFIFPPSDBOELKSGTASVVCILNMFYPREAKQWQVNDALQS	180	
Qy	181	GNSQSSVTEQSDKSDTYSLSSTLTLSKAYEKHKVAVACVTHQGLSSPTTKSPNRBEC	238	
Db	181	GNSQSSVTEQSDKSDTYSLSSTLTLSKAYEKHKVAVACVTHQGLSSPTTKSPNRBEC	238	

RESULT 6
US-10-216-484-129
: Sequence 129, Applicant US/10216484
: Publication No. US20030103976A1
: GENERAL INFORMATION:
: APPLICANT: Setizawa, No. US20030103976A1ufusa
: APPLICANT: Hattuyama, Hideyuki
: APPLICANT: Nakahara, Kaori
: APPLICANT: Tamaki, Ikko
: APPLICANT: Takahashi, Tohru
: TITLE OF INVENTION: Anti-Pas Antibodies
: FILE REFERENCE: 960126CIP/HG

```

CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 129
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-129

Query Match          99.6%   Score 1232;   DB 15;   Length 238;
Best Local Similarity 99.2%   Pred. No. 6,4e-85;
Matches 236; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Qy	1	METDTLLMVLILMWPGSGTGDIVLQSPESLSASVGDRTYLTICKASQSDYDYGDSYNNY	60
Db	1	METDTLLMVLILMWPGSGTGDIVLQSPESLSASVGDRTYLTICKASQSDYDYGDSYNNY	60
Qy	61	QOKPKAPKLILYAASNLESGIPSRFSGSGSDTFTLTISLQPEDFATYYCQSNEDPR	120
Db	61	QOKPKAPKLILYAASNLESGVPRFSGSGSDTFTLTISLQPEDFATYYCQSNEDPR	120
Qy	121	TFPGQTKVEIKRTVAAPSVFIPTPBGDEQLKSGTASVYCLINNFYPREAVYQMKVDNALOS	180
Db	121	TFPGQTKVEIKRTVAAPSVFIPTPBGDEQLKSGTASVYCLINNFYPREAVYQMKVDNALOS	180
Qy	181	GNSQSEVTEODSKDSTYSLSFTLTSKADYEKGKAYVACEVTHQGLSSPTKSFNREGC	238
Db	181	GNSQSEVTEODSKDSTYSLSFTLTSKADYEKGKAYVACEVTHQGLSSPTKSFNREGC	238

RESULT 7
 ; Sequence 107, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Toru
 ; TITLE OF INVENTION: Anti-Pas Antibodies
 ; FILE REFERENCE: 980126C1P/HG
 ; CURRENT APPLICATION NUMBER: US/10/384,933
 ; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 107
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed light
 ; OTHER INFORMATION: chain of humanized anti-Pas antibody
 US-10-384-933-107

Query Match	94.9%	Score 1174	DB 12	Length 238
Best Local Similarity	93.3%	Pred. No. 1.4e-8		
Matches	222	Conservative	9	Mismatches 7; Indels 0; Gaps 0;
QY	1	MEETITLLTLLVLLWPGSTEDIVLTGSSSLASASVGDVRYTTTCRACASGVDDVDGSSYNNMY	60	
Db	1	MEETITLLTLLVLLWPGSTGRIIVLTGSGTSLSPGEGATSLSCASGVDDVDGSSYNNMY	60	

```

Qy 61 QOKRGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLSLOPEDFATYYCOQSNEDPR 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGKAPRLLIYAASNLSEGIPIRFGSGSGTDFTLTISLSLEPEDFAVYYCOQSNEDPR 120
Qy 121 TFGGCTVEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPRRAKYQWKVDNALQS 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPRRAKYQWKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 8
US-10-216-484-107
Sequence 107, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIE/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 107
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-107

Query Match 94.9%; Score 1174; DB 15; Length 238;
Best Local Similarity 93.3%; Pred. No. 1.4e-80;
Matches 222; Conservative 9; Mismatches 7; Indels 0; Gaps 0;

```

Qy 1 METDTILLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSVYDGDGSDYNNMY 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTILLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSVYDGDGSDYNNMY 60
Qy 61 QOKRGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLSLOPEDFATYYCOQSNEDPR 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGKAPRLLIYAASNLSEGIPIRFGSGSGTDFTLTISLSLEPEDFAVYYCOQSNEDPR 120
Qy 121 TFGGCTVEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPRRAKYQWKVDNALQS 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPRRAKYQWKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 9
US-10-384-933-50
Sequence 50, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

```

FILE REFERENCE: 980126CIE/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-50

```

Query Match 94.5%; Score 1169; DB 12; Length 238;
Best Local Similarity 92.9%; Pred. No. 3.4e-80;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

```

Qy 1 METDTILLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSVYDGDGSDYNNMY 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTILLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSVYDGDGSDYNNMY 60
Qy 61 QOKRGKAPKLLIYAASNLSEGIPIRFGSGSGTDFTLTISLSLOPEDFATYYCOQSNEDPR 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 QOKRGKAPRLLIYAASNLSEGIPIRFGSGSGTDFTLTISLSLEPEDFAVYYCOQSNEDPR 120
Qy 121 TFGGCTVEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPRRAKYQWKVDNALQS 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TFGGCTLEIKRTYAASVFIIPPSPDEQLKSGTASVCLNNFPRRAKYQWKVDNALQS 180
Qy 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 GNSQESVTEODSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC 238

```

RESULT 10
US-10-216-484-50
Sequence 50, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIE/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 50
LENGTH: 238
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed light
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-50

Query Match 94.5%; Score 1169; DB 15; Length 238;
Best Local Similarity 92.9%; Pred. No. 3.4e-80;
Matches 221; Conservative 9; Mismatches 8; Indels 0; Gaps 0;

```

Qy 1 METDTILLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSVYDGDGSDYNNMY 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 METDTILLWVLLWVPGSTGDIYLTQSPSSLSASVGDRTVITCKASQSVYDGDGSDYNNMY 60

```



```

Db      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISLSPGERATLSCAASQSDVDGDSYNNMY 60
Qy      61 QOKPGKAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      61 QOKPGQAPRLIITAAASNLSEGISPRFSGSGSGTDFTLTIHVEEDATYTCQOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      121 TFGQGTVEIKRTVAASVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      121 TFGQGTLEIKRTVAASVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      181 GNSQESVTEQSDKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      181 GNSQESVTEQSDKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

RESULT 14

```

US-10-216-484-109
; Sequence 109, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 109
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-109

```

```

Query Match      93.4%; Score 1155; DB 15; Length 238;
Best Local Similarity 92.0%; Pred. No. 3.9e-79;
Matches 219; Conservative 10; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISLSPGERATLSCAASQSDVDGDSYNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISLSPGERATLSCAASQSDVDGDSYNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      61 QOKPGKAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      61 QOKPGQAPRLIITAAASNLSEGISPRFSGSGSGTDFTLTIHVEEDATYTCQOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      121 TFGQGTVEIKRTVAASVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      121 TFGQGTLEIKRTVAASVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      181 GNSQESVTEQSDKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      181 GNSQESVTEQSDKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

RESULT 15

```

US-10-384-933-54
; Sequence 54, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko

```

```

; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 54
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed light
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-54

```

```

Query Match      93.3%; Score 1154; DB 12; Length 238;
Best Local Similarity 92.0%; Pred. No. 4.6e-79;
Matches 219; Conservative 9; Mismatches 10; Indels 0; Gaps 0;

```

```

Qy      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISLSPGERATLSCAASQSDVDGDSYNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      1 METDTLLMWLLMVPSTGDIYVLTQSPGTLISLSPGERATLSCAASQSDVDGDSYNNMY 60
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      61 QOKPGKAPKLLIYAASNLSEGISPRFSGSGSGTDFTLTISLQPEDPATYTCQOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      61 QOKPGQAPRLIITAAASNLSEGISPRFSGSGSGTDFTLTIHVEEDATYTCQOQSNEDPR 120
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      121 TFGQGTVEIKRTVAASVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      121 TFGQGTLEIKRTVAASVFIFFPPSDQLKSGTASVVCCLNNFYPREAKVQMKVDNALQS 180
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy      181 GNSQESVTEQSDKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      181 GNSQESVTEQSDKSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC 238
        |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

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Search completed: February 20, 2004, 14:25:37
Job time : 19.0486 secs

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GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-143

Perfect score: 2517
Sequence: 1 MGSCITLFLVATATGVHSQ.....MHEALHNHYTQKSLSPGK 470

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA.*
2: /cgn2_6/ptodata/1/1aa/5A_COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6A_COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/6B_COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/6C_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2255	89.6	472	US-09-301-593-43	Sequence 43, Appl
2	2232	88.7	449	US-08-458-516-13	Sequence 13, Appl
3	2230	88.6	476	US-08-378-939-10	Sequence 10, Appl
4	2202.5	87.5	467	US-09-049-672A-8	Sequence 8, Appl
5	2200.5	87.4	452	US-09-027-449-71	Sequence 71, Appl
6	2200.5	87.4	452	US-09-026-985-71	Sequence 71, Appl
7	2200.5	87.4	452	US-09-121-952A-71	Sequence 71, Appl
8	2200.5	87.4	452	US-09-234-340A-71	Sequence 71, Appl
9	2200	87.4	472	US-09-301-593-30	Sequence 30, Appl
10	2177	86.5	468	US-09-485-737B-67	Sequence 67, Appl
11	2177	86.5	711	US-09-485-737B-90	Sequence 90, Appl
12	2161.5	85.9	454	US-07-934-373C-22	Sequence 22, Appl
13	2161.5	85.9	454	US-08-437-642B-22	Sequence 22, Appl
14	2161.5	85.9	454	US-08-146-206C-22	Sequence 22, Appl
15	2161.5	85.9	454	PCT-US93-07832-22	Sequence 22, Appl
16	2160.5	85.8	453	US-09-301-593-18	Sequence 18, Appl
17	2144	85.2	472	US-08-793-450-8	Sequence 8, Appl
18	2124	84.4	451	US-08-887-352B-14	Sequence 14, Appl
19	2124	84.4	451	US-08-887-352B-16	Sequence 16, Appl
20	2124	84.4	451	US-08-466-151-65	Sequence 65, Appl
21	2124	84.4	451	US-09-109-207C-14	Sequence 14, Appl
22	2124	84.4	451	US-09-109-207C-16	Sequence 16, Appl
23	2124	84.4	451	US-09-286-005-14	Sequence 14, Appl
24	2124	84.4	451	US-09-286-005-16	Sequence 16, Appl
25	2121	84.3	478	US-08-487-550-8	Sequence 8, Appl
26	2121	84.3	478	US-09-526-098-8	Sequence 8, Appl
27	2116	84.1	451	US-08-887-352B-18	Sequence 18, Appl

28	2116	84.1	451	3	US-09-109-207C-18	Sequence 18, Appl
29	2116	84.1	451	3	US-09-282-505-2	Sequence 2, Appl
30	2116	84.1	451	3	US-09-054-255-2	Sequence 2, Appl
31	2116	84.1	451	3	US-09-296-005-18	Sequence 18, Appl
32	2116	84.1	451	4	US-09-282-846-2	Sequence 2, Appl
33	2116	84.1	451	4	US-09-680-145-2	Sequence 2, Appl
34	2105	83.6	453	3	US-08-466-151-8	Sequence 8, Appl
35	2105	83.6	453	4	US-08-466-163B-8	Sequence 8, Appl
36	2103.5	83.6	467	2	US-07-916-098A-45	Sequence 45, Appl
37	2102.5	83.5	449	4	US-09-679-397-2	Sequence 2, Appl
38	2102.5	83.5	449	4	US-09-680-148-2	Sequence 2, Appl
39	2102.5	83.5	449	4	US-09-304-465A-2	Sequence 2, Appl
40	2099.5	83.4	552	5	PCT-US93-07832-23	Sequence 23, Appl
41	2096.5	83.3	469	2	US-07-934-373C-23	Sequence 23, Appl
42	2096.5	83.3	469	3	US-08-437-642B-23	Sequence 23, Appl
43	2096.5	83.3	469	4	US-08-146-206C-23	Sequence 23, Appl
44	2096	83.3	451	4	US-09-247-352-3	Sequence 3, Appl
45	2096	83.3	451	4	US-09-466-635-3	Sequence 3, Appl

ALIGNMENTS

```
RESULT 1
US-09-301-593-43
Sequence 43, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garlin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Retig, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Producibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
EARLIER FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 43
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-43
Query Match 89.6%; Score 2255; DB 4; Length 472;
Best Local Similarity 90.5%; Pred. No. 4.5e-161;
Matches 428; Conservative 11; Mismatches 30; Indels 4; Gaps 2;
1 MGSCITLFLVATATGVHSQVLQSGAEVKKPGASVKSCAKSGYFTSYMMQVKAAP 60
1 MDWTRWFCILAAVAPGAHSOVOLVQSGAEVKKPGASVKCKISRYFTETIMVROAP 60
61 GGGLEMMGRIDPSDYNNYQKFKGKATLTVDTSTAYMELSLRSBDTAVVYCARNR- 119
61 GGRLEWIGINPNNGIGINPNYQKFKGRATLTVGKASATAYMELSLRSBDTAVVYCARNR 120
120 --DYSNNWYEPVWQGGTLVYSSASTGSPSYFLPLABSSKISGRTALGCLVQYFPEPV 177
121 AYGDGHANDYWGQGTLLVYSS--STKGPSVFLPAPSKSTSGGTALGCLVQYFPEPV 179
178 TVSNNSGALTSGVTPFAVLIQSSGLYSVTVYTPSSSLGTQYICVNNHSPNTKDKR 237
180 TVSNNSGALTSGVTPFAVLIQSSGLYSVTVYTPSSSLGTQYICVNNHSPNTKDKR 239
238 VEPKCDKHTCPCPAPPELLGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVK 297
240 VEPKCDKHTCPCPAPPELLGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVK 299
```

Qy	296	FMNYDVGVYHNAKTPREEOYNSTYRVSVLTVHOMLNGKEKCKVSKALPAIEK	35.7
Db	300	FMNYDVGVYHNAKTPREEOYNSTYRVSVLTVHOMLNGKEKCKVSKALPAIEK	35.5
Qy	358	TISKAGQPREPOVYTLPPSREEMTKQVSLCLVKGYPSDIAVEMSNQPENNYKT	41.7
Db	360	TISKAGQPREPOVYTLPPSREEMTKQVSLCLVKGYPSDIAVEMSNQPENNYKT	41.9
Qy	418	PVYLDSDGSFVLYSKLTVDKSRMOQGNVSCSVMHALAHNYTOKSLSLSPGK	47.0
Db	420	PVYLDSDGSFVLYSKLTVDKSRMOQGNVSCSVMHALAHNYTOKSLSLSPGK	47.2

RESULT 2

Sequence 13. Application US/08458516
 Patent No. 577085
 GENERAL INFORMATION:
 APPLICANT: Co, Man Sung
 APPLICANT: Tso, J. Yun
 TITLE OF INVENTION: Humanized Antibodies Reactive with
 TITLE OF INVENTION: GPIIb/IIIa
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: William M. Smith
 STREET: One Market Plaza, Stewart Tower, Suite 2000
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94105
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/458,516
 FILING DATE:
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/059,159
 FILING DATE: 03-MAY-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Smith, William M.
 REGISTRATION NUMBER: 30,223
 REFERENCE/DOCKET NUMBER: 11823-37-3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-326-2400
 TELEFAX: 415-326-2422
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 449 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 IS-08-458-516-13

Query Match	88.7%	Score 2232	DB 1	Length 449
Best Local Similarity	93.1%	Pred. No. 2.2e-159		
Matches 420	Conservative 14	Mismatches 15	Indels 2	Gaps 2

[illegible]

Db	113	SASTKBPVFPLAPBSKSNISGGTALGCLVMDYFPEPVTWVSMNCGALTSGVHTPEVALQS	178
Qy	200	SGHXLSSTWYTPSSSLGQYTCIMVNHKBPANTKIDRVEBKSDKJHTHOPCPAPBLG	255
Db	179	SGXLSLSSTWYTPSSSLGQYTCIMVNHKBPANTKIDRVEBKSDKJHTHOPCPAPBLG	238
Qy	260	GPSVFLFPKPKDQTLTISRPEVTCVVYDVSHBEPVKFNNYVDGVEVHNAKTKPREEOY	319
Db	239	GPSVFLFPKPKDQTLTISRPEVTCVVYDVSHBEPVKFNNYVDGVEVHNAKTKPREEOY	298
Qy	320	NSRYRVASVLTJYLHODMNLNGKEYKCKVSNKLLPAPIEKTISKAKGQPREPOVYTLPPSRE	379
Db	299	NSRYRVASVLTJYLHODMNLNGKEYKCKVSNKLLPAPIEKTISKAKGQPREPOVYTLPPSRE	358
Qy	380	EMTKNQVSLTCLAVKGFPYSDIAVEESNGQPENNYKTTPTVLDSDGSFFLYSKLTVDKSR	439
Db	359	ELTKNQVSLTCLAVKGFPYSDIAVEESNGQPENNYKTTPTVLDSDGSFFLYSKLTVDKSR	418
Qy	440	MOGQNVFSCSVMEHALHNHYTOKSLSLSPGK	470
Db	419	MOGQNVFSCSVMEHALHNHYTOKSLSLSPGK	449

RESULT 3

```

: Sequence 10: Application US/08378933
: Patent No. 5876961
: GENERAL INFORMATION:
: APPLICANT: CROME, JAMES SCOTT
: APPLICANT: LEWIS, ALAN PETER
: TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
: NUMBER OF SEQUENCES: 46
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: ROTHWELL, FIGG, ERNST & KIRZ
: STREET: 555 THIRTEENTH ST. N.W.
: CITY: WASHINGTON
: STATE: D. C.
: COUNTRY: U.S.

```

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ. ID NO.: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

```

Query Match	88.6%	Score 2230	DB 2	Length 476
Best Local Similarity	88.4%	Pred. No. 3.4e-159		
Matches 421; Conservative	21;	Mismatches 28;	Indels 6;	Gaps 1.

```

oy      1 MGNSCILPLVATATGVHSOVOLVOSGAEBYKPKGSASVKYSCKRSGTPTFSYMWQNTKOAP    60
        | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1 MDWTMRRLFTVVAATATGVQSOMQVVQSGAEBYKPKGSSVTYSCKRSGSTFNSYALSWVRQAP    60

```


QY	61	GGGLLEMMGGIIDS	SDSYTN	NOKR	KGA	TLT	VD	ST	TA	WE	LS	SE	DA	YV	CA	NR	11.9																																					
Db	61	GGGLLEMMGGI	1	PL	FG	PT	YS	Q	N	F	G	V	T	T	A	D	ST	TA	WE	LS	SE	DA	YV	CA	DR	120																												
QY	120	-----	D	S	N	N	M	Y	F	D	W	G	G	T	L	V	T	V	S	A	S	T	K	G	P	S	V	F	L	P	A	S	S	K	T	S	G	T	A	L	G	C	L	V	Y	D	F	174						
Db	121	RG	AN	F	D	B	A	R	A	V	G	M	F	D	P	M	G	G	T	L	V	T	V	S	A	S	T	K	G	P	S	V	F	L	P	A	S	S	K	T	S	G	T	A	L	G	C	L	V	Y	D	F	180	
QY	175	EP	Y	T	S	N	S	G	A	L	T	S	G	V	H	T	P	A	V	L	O	S	G	L	Y	S	L	S	V	T	V	P	S	S	L	G	T	O	Y	I	C	N	N	H	K	P	S	T	K	234				
Db	181	EP	Y	T	S	N	S	G	A	L	T	S	G	V	H	T	P	A	V	L	O	S	G	L	Y	S	L	S	V	T	V	P	S	S	L	G	T	O	Y	I	C	N	N	H	K	P	S	T	K	240				
QY	235	DK	R	V	P	K	S	C	D	K	H	T	C	P	R	C	A	P	E	L	L	G	S	P	V	F	L	P	P	K	R	D	T	M	I	R	T	P	V	T	C	V	V	D	S	H	E	P	294					
Db	241	DK	R	V	P	K	S	C	D	K	H	T	C	P	R	C	A	P	E	L	L	G	S	P	V	F	L	P	P	K	R	D	T	M	I	R	T	P	V	T	C	V	V	D	S	H	E	P	300					
QY	295	EY	K	F	N	M	Y	D	V	G	V	E	N	A	K	T	P	R	E	B	O	Y	N	S	T	R	V	V	S	V	L	T	V	L	H	D	M	L	N	G	K	E	Y	K	C	V	S	N	K	L	P	A	P	354
Db	301	EY	K	F	N	M	Y	D	V	G	V	E	N	A	K	T	P	R	E	B	O	Y	N	S	T	R	V	V	S	V	L	T	V	L	H	D	M	L	N	G	K	E	Y	K	C	V	S	N	K	L	P	A	P	360
QY	355	IE	K	T	I	S	K	A	G	O	R	P	E	O	Y	T	L	P	S	R	B	E	M	T	K	O	U	S	L	T	C	L	Y	K	G	F	Y	S	D	I	A	V	E	M	S	N	G	O	P	E	N	N	Y	414
Db	361	IE	K	T	I	S	K	A	G	O	R	P	E	O	Y	T	L	P	S	R	B	E	M	T	K	O	U	S	L	T	C	L	Y	K	G	F	Y	S	D	I	A	V	E	M	S	N	G	O	P	E	N	N	Y	420
QY	415	K	T	P	V	L	O	S	D	G	S	F	L	Y	S	K	L	T	V	O	S	R	M	O	O	G	N	V	F	S	C	S	W	H	E	A	L	N	H	N	Y	O	K	S	L	S	P	G	470					
Db	421	K	T	P	V	L	O	S	D	G	S	F	L	Y	S	K	L	T	V	O	S	R	M	O	O	G	N	V	F	S	C	S	W	H	E	A	L	N	H	N	Y	O	K	S	L	S	P	G	476					

RESULT 4
 US-09-049-672A--8
 ; Sequence 8, Application US/09049672A
 ; Patent No. 6135941
 ; GENERAL INFORMATION:
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Tang, Y. Tom
 APPLICANT: Yue, Henry
 APPLICANT: Au-Young, Janice
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl J.
 APPLICANT: Baughn, Mariah R.
 TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: Fastseq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/049,672A
 FILING DATE: HERewith
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cerione, Michael C.
 REGISTRATION NUMBER: 39,132
 REFERENCE/DOCKET NUMBER: PF-0497 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 8:

```

?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 467 amino acids
?      TYPE: amino acid
?      STRANDEDNESS: single
?      TOPOLOGY: 1linear
?      IMMEDIATE SOURCE:
?      LIBRARY: LUNGTUT11
?      CLONE: 2747531
?      US-09-049-672A-8

```

Query Match	87.5%	Score 2202.5;	DB 3;	Length 467;
Best Local Similarity	89.2%	Pred. No. 3.8e-157;		
Matches 414;	Conservative 19;	Mismatches 28;	Indels 3;	Gaps 1;

Qy	7	ILFLVAVATKTHGSOVLVQSGAEVKKPKASVAVSCASGYPTSTYVMWQVAVKAPGGGLM	66
Db	7	ILFLVAAATGTHAQVQLVQSGAEVKKPKASVAVSCVSGFGLTSDLSVHNVRAQAPGGGLM	66
Qy	67	MGRLDPSDSTYNVNOKEFGKATLTVDTSTAYVMELSLRSEDATVAVYCARNRDYSNNWY	126
Db	67	MGGLAPENGAEVAVYAKFLGRLLTSLSDTADPTAYMFLNNIGSDESDAIYYCAROH---YDFP	123
Qy	127	FDWVGQGLTVVYVSSASTGSPVFLPAPBSKSTGGGTALGCLVKQYFPEPFLVYVSNWGGFL	186
Db	124	FDPMGQGMVTVVSSASTGSPVFLPAPBSKSTGGGTAAGCLVKQYFPEPFLVYVSNWGGFL	183
Qy	187	TSGVHTFPVAVLQSSGLVSLSSVTVYTPSSSLGTQTYICNVNHRKPSNTKYDRAVEPKSCDKT	246
Db	184	TSGVHTFPVAVLQSSGLVSLSSVTVYTPSSSLGTQTYICNVNHRKPSNTKYDRAVEPKSCDKT	243
Qy	247	HTGPPCPAPALLGSPVFLPPPKPKDTLMISRTPEVTCVYVDVSHEDPEVKNNWYDGYE	306
Db	244	HTGPPCPAPALLGSPVFLPPPKPKDTLMISRTPEVTCVYVDVSHEDPEVKNNWYDGYE	303
Qy	307	VHNAKTKREEQVNSTYRVASVLYLTHQDWLNGEKYKCKVSNKALPAPIEKTISKAKGAP	366
Db	304	VHNAKTKREEQVNSTYRVASVLYLTHQDWLNGEKYKCKVSNKALPAPIEKTISKAKGAP	363
Qy	367	REPOVYTLTPSRREEMTKQVSLTCLVKGPYPSDIAVEWESNGQPENNYKTPRPVLDSDGS	426
Db	364	REPOVYTLTPSRREEMTKQVSLTCLVKGFYPSDIAVEWESNQPENNYKTPRPVLDSDGS	423
Qy	427	FLVSKTLVDSKRWQGVNFSQSVNHALLHNHYTKSISLSPGK 470	
Db	424	FLVSKTLVDSKRWQGVNFSQSVNHALLHNHYTKSISLSPGK 467	

RESULT 5 449-71
US-09-027-449-71
Sequence 71, Application US/09027449
Patent No. 6025158
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/027,449
FILING DATE: 20-Feb-1998

```

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074,330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/038,664
FILING DATE: 21-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-027-449-71

```

```

Query Match      87.4%; Score 2200.5; DB 3; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;

```

```

QY 20 QVQLVDSGAEVKKPKASVKSCASGYTFSTSYMMQWYKQAPGGLLEWNGEIDPSDSTNY 79
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1 EVQLVDSGGGLVPGGSLRLSCASGYSFSSHHVHWYRQAPGKLEWNGYIDPSNGETTY 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 80 NQPKGKATLTVDTSSTAYMELSLRSEDYAVYYCAR-NRDYSNNYFDWGGTLVTV 138
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 NQPKGKFTLSRDNSKNTAYLQMSLRADYAVYYCARGDYRYNGDFFDWGGTLVTV 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 139 SSASTKSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQ 198
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 121 SSASTKSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQ 180
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 199 SSGLYSLSVYVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKSCDKHTHTCPPEPAELL 258
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 181 SSGLYSLSVYVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKSCDKHTHTCPPEPAELL 240
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 259 GGSVFLPPEPKKDTLMISRTPEYTCVVDVSHEDPEVKFNWYDGYEVHNAKTKPREEQ 318
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 241 GGSVFLPPEPKKDTLMISRTPEYTCVVDVSHEDPEVKFNWYDGYEVHNAKTKPREEQ 300
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 319 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPPSR 378
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 301 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPPSR 360
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 379 EEMTKNOVSLTCLVKGFPSPDIAVWESNGOPENNYKTTTPVLDSGDFLYSKLTYDKS 438
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 361 EEMTKNOVSLTCLVKGFPSPDIAVWESNGOPENNYKTTTPVLDSGDFLYSKLTYDKS 420
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 439 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 421 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 452
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 6
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco

```

```

STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipactin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71

```

```

Query Match      87.4%; Score 2200.5; DB 3; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;

```

```

QY 20 QVQLVDSGAEVKKPKASVKSCASGYTFSTSYMMQWYKQAPGGLLEWNGEIDPSDSTNY 79
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1 EVQLVDSGGGLVPGGSLRLSCASGYSFSSHHVHWYRQAPGKLEWNGYIDPSNGETTY 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 80 NQPKGKATLTVDTSSTAYMELSLRSEDYAVYYCAR-NRDYSNNYFDWGGTLVTV 138
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 NQPKGKFTLSRDNSKNTAYLQMSLRADYAVYYCARGDYRYNGDFFDWGGTLVTV 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 139 SSASTKSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQ 198
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 121 SSASTKSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVYVSNMNGALTSVHTFPAYLQ 180
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 259 GGSVFLPPEPKKDTLMISRTPEYTCVVDVSHEDPEVKFNWYDGYEVHNAKTKPREEQ 318
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 241 GGSVFLPPEPKKDTLMISRTPEYTCVVDVSHEDPEVKFNWYDGYEVHNAKTKPREEQ 300
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 319 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPPSR 378
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 301 YNSTYRVSVYLVTHQDMLNGEKYCKVSNKALPAPIEKTIISKAKGPREQVYTLPPSR 360
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 379 EEMTKNOVSLTCLVKGFPSPDIAVWESNGOPENNYKTTTPVLDSGDFLYSKLTYDKS 438
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 361 EEMTKNOVSLTCLVKGFPSPDIAVWESNGOPENNYKTTTPVLDSGDFLYSKLTYDKS 420
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 439 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 421 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 452
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 7
US-09-121-952A-71
Sequence 71, Application US/09121952A
Patent No. 6458355
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hse, Vanessa
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shantokh, Zahra

```

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.4%; Score 2200.5; DB 4; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;
QY 20 QVQVVGAGAEYKKGASVYKSCASGYFTSYMMQWKOARGGLQEMMGEIDPSDSYTN 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYMWVQAQPGKLEWGYIDPSNGETTY 60
QY 80 NQKFKGKATLTVDISTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYIQMNSLRABDTAVYYCARGDYRNGDMFFDVWGQGLTVTV 120
QY 139 SSASTKGPSVPLAPSSKSTSGGTALAIGCLVKDYFPEPVYTVSNMNGALTSVHTFPAYLQ 198
DB 121 SSASTKGPSVPLAPSSKSTSGGTALGCLVKDYFPEPVYTVSNMNGALTSVHTFPAYLQ 180
QY 199 SSGIYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPSGDKTHHTCPCPAPRL 258
DB 181 SSGIYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPSGDKTHHTCPCPAPRL 240
QY 259 GSGSVPLFPPPKKPTIMSRTPVTCVVVDVSHEDPEVKFMWYVDGVVNAKTRPREQ 318
DB 241 GSGSVPLFPPPKKPTIMSRTPVTCVVVDVSHEDPEVKFMWYVDGVVNAKTRPREQ 300
QY 319 YNSTYRIVSVLTVLHODWLNKGEYKCKVSNKRALPAIKETISKAGQPREPQVYTLPPSR 378
DB 301 YNSTYRIVSVLTVLHODWLNKGEYKCKVSNKRALPAIKETISKAGQPREPQVYTLPPSR 360
QY 379 EEMTKNQSULTCLYKGFPSDIAVWESNGQPENNYKTTTPYLVDSGDFFLYSKLTVNKS 438
DB 361 EEMTKNQSULTCLYKGFPSDIAVWESNGQPENNYKTTTPYLVDSGDFFLYSKLTVNKS 420
QY 439 RMQGNVFSQVMEBALHNHYTQKSLSPGK 470

DB 421 RMQGNVFSQVMEBALHNHYTQKSLSPGK 452
RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hsei, Vanessa
APPLICANT: Kouments, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71
Query Match 87.4%; Score 2200.5; DB 4; Length 452;
Best Local Similarity 90.0%; Pred. No. 5.2e-157;
Matches 407; Conservative 27; Mismatches 17; Indels 1; Gaps 1;
QY 20 QVQVVGAGAEYKKGASVYKSCASGYFTSYMMQWKOARGGLQEMMGEIDPSDSYTN 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYMWVQAQPGKLEWGYIDPSNGETTY 60
QY 80 NQKFKGKATLTVDISTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYIQMNSLRABDTAVYYCARGDYRNGDMFFDVWGQGLTVTV 120
QY 139 SSASTKGPSVPLAPSSKSTSGGTALAIGCLVKDYFPEPVYTVSNMNGALTSVHTFPAYLQ 198
DB 121 SSASTKGPSVPLAPSSKSTSGGTALGCLVKDYFPEPVYTVSNMNGALTSVHTFPAYLQ 180
QY 199 SSGIYSLSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPSGDKTHHTCPCPAPRL 258

Db 181 SSGSYSLSSVYTVSSSSLGTYTICNVNHNKPSNTYDKVKEPKSCDKHTCPCPAPBL 240
Qy 259 GGSFVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEYKFMVYDGVENHAKTFRREQ 318
Db 241 GGSFVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEYKFMVYDGVENHAKTFRREQ 300
Qy 319 YNSTYRVVSVLTJLHODMLNGKEYCKVSNKALPAPIEKTISKAKGPREPQVYTLPPSR 378
Db 301 YNSTYRVVSVLTJLHODMLNGKEYCKVSNKALPAPIEKTISKAKGPREPQVYTLPPSR 360
Qy 379 EEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPLDSDGFFLIYSLKLTVDK 438
Db 361 EEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPLDSDGFFLIYSLKLTVDK 420
Qy 439 RMOQGNVSCSMHEALHNHYTQKSLSLSPGK 470
Db 421 RMOQGNVSCSMHEALHNHYTQKSLSLSPGK 452

RESULT 9
US-09-301-593-30

Sequence 30, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: ParK, John B.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.4%; Score 2200; DB 4; Length 472;
Best Local Similarity 87.9%; Pred. No. 5.9e-157;
Matches 416; Conservative 19; Mismatches 34; Indels 4; Gaps 2;

Qy 1 MGWSCIIFLIVATATGVSQVQLVQSGAEVKKRQASVNVSCAASGYTFSTYMMQWKAAP 60
Db 1 MGWNVVFLLISGTAAGVLSVQLQSGPELVKPGASVMSCKTSRYTTEVYIHHVQRSH 60
Qy 61 GQGLEMEIEDPSDSTYNQKFKGKATLTVDSTSTAYMELSLRSEDNAVYYCARNR- 119
Db 61 GKSLEWIGINPNNGIPIYNNQKFKGKATLTVGKSSSTAYMELRSLTSDSNAVYFCARRI 120
Qy 120 --DYNNNNYFDVWGQGLTVTVSSASTKGSVFPPLAPSSKSTSGGTALGCLVKDYFPEPV 177
Db 121 AYGVDEGHAMVWGQGLTVTVSS--STKGSVFPPLAPSSKSTSGGTALGCLVKDYFPEPV 179
Qy 178 TVSNWNSGALTSGVHFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKR 237
Db 180 TVSNWNSGALTSGVHFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDK 239
Qy 238 VEPKSCDTHTCPCPAPBLGGPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEYK 297
Db 240 VEPKSCDTHTCPCPAPBLGGPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEYK 299
Qy 298 FNMVYDGVENHAKTFRREQYNSTYRVVSVLTJLHODMLNGKEYCKVSNKALPAPIEK 357

Db 300 FNMVYDGVENHAKTFRREQYNSTYRVVSVLTJLHODMLNGKEYCKVSNKALPAPIEK 359
Qy 358 TISKAKGPREPQVYTLPPSR EEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKT 417
Db 360 TISKAKGPREPQVYTLPPSR EEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKT 419
Qy 418 PPVLDSDGFFLIYSLKLTVDKSRMQGNVFGCSVMHEALHNHYTQKSLSLSPGK 470
Db 420 PPVLDSDGFFLIYSLKLTVDKSRMQGNVFGCSVMHEALHNHYTQKSLSLSPGK 472

RESULT 10
US-09-485-737B-67

Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buyse, Marie-Ange
APPLICANT: Sablon, Edwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.5%; Score 2177; DB 4; Length 468;
Best Local Similarity 88.2%; Pred. No. 3.1e-155;
Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

Qy 6 ILFLVATATGVSQVQLVQSGAEVKKRQASVNVSCAASGYTFSTYMMQWKAAPGQGLE 65
Db 7 IFSLTASAVILISQVQLVQSGSELKRRKPGASVKISKASGATFTDYDGMWVKAAPGQGLK 66
Qy 66 IMGEIIDSSTYNQKFKGKATLTVDSTSTAYMELSLRSEDNAVYYCARNDYSNNW 125
Db 67 WMGMINTYTGESTYVDPFKGRFVPSLDTVSAAVLIQSLKAEDTATYFCARRGFYA-- 123
Qy 126 YFDVWGQGLTVTVSSASTKGSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWGA 185
Db 124 -MDTWGQGLTVTVSSASTKGSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWGA 182
Qy 186 LTSGVHFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKRVKPSCDK 245
Db 183 LTSGVHFPFPAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKRVKPSCDK 242
Qy 246 THTPCPAPBLGGPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEYKFMVYDGV 305
Db 243 THTPCPAPBLGGPSVFLPPPKKDTLMSRTPEVTCVVDVSHEDPEYKFMVYDGV 302
Qy 306 EVHNAKTKPREQYNSTYRVVSVLTJLHODMLNGKEYCKVSNKALPAPIEKTISKAKG 365
Db 303 EVHNAKTKPREQYNSTYRVVSVLTJLHODMLNGKEYCKVSNKALPAPIEKTISKAKG 362
Qy 366 PREPQVYTLPPSR EEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPLDSDG 425
Db 363 PREPQVYTLPPSR EEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTTPPLDSDG 422
Qy 426 SFLIYSLKLTVDKSRMQGNVFGCSVMHEALHNHYTQKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 467

RESULT 11

US-09-485-737B-90

Sequence 90, Application US/09485737B

Patent No. 6350860

GENERAL INFORMATION:

APPLICANT: Buyee, Marie-Ange

APPLICANT: Sadlon, Brian

TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS

FILE REFERENCE: INNS-015

CURRENT APPLICATION NUMBER: US/09/485,737B

CURRENT FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: PCT/EP 96/05165

PRIOR FILING DATE: 1998-08-14

PRIOR APPLICATION NUMBER: EPO 98870139.7

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: EPO 97870122.5

PRIOR FILING DATE: 1997-08-18

NUMBER OF SEQ ID NOS: 104

SOFTWARE: PatentIn version 3.0

SEQ ID NO 90

LENGTH: 711

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.5%; Score 2177; DB 4; Length 711;

Best Local Similarity 88.2%; Pred. No. 5.4e-155;

Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

QY 6 ILELVATGCVHSGQVLVSGAEVKKRGAIVKVSCKRAGYTFPTSYMMQWYKQAPGQGLE 65

Db 7 IFSFLIASAVIISQVLQVSGSELKRGASVKISCKRAGYTFPTDYGMMWYKQAPGQGLK 66

QY 66 WMGESIDSDSYNNQKFKGATLTVDSTSTAYMELSLSRSEDTAVYYCARNDYSNMW 125

Db 67 WMGINITYGSESTVDVDFKGRFVPSLDTSVAAYLIQISLAEDTATYFCARRGFYA--- 123

QY 126 YPDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTALGCLVNDYFPEPVTVSWNSGA 185

Db 124 -MDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTALGCLVNDYFPEPVTVSWNSGA 182

QY 186 LTSGVHTFPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDK 245

Db 183 LTSGVHTFPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDK 242

QY 246 THTCPCPADPELLGSPVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFMYVDGV 305

Db 243 THTCPCPADPELLGSPVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFMYVDGV 302

QY 306 EYHNAKTRPEBOVNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAGQ 365

Db 303 EYHNAKTRPEBOVNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAGQ 362

QY 366 PREPOVTVLPSPREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDG 425

Db 363 PREPOVTVLPSPREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDG 422

QY 426 SFPLYSKLTVDKSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 467

RESULT 12

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/934,373C

FILING DATE: 21-Aug-1992

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05126

FILING DATE: 15-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-07-934-373C-22

Query Match 85.9%; Score 2161.5; DB 2; Length 454;

Best Local Similarity 89.4%; Pred. No. 4.3e-154;

Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;

QY 20 QVQLVQSGAEYVKRKGASVKISKRTSGYTFPTSYMMQWYKQAPGQGLEMDSDSTNY 79

Db 1 QVQLVQSGAEYVKRKGASVKISKRTSGYTFPTSYMMQWYKQAPGQGLEMDSDSTNY 79

QY 80 NQKFKGATLTVDSTSTAYMELSLSRSEDTAVYYCARNDYSNMW---YPDVWGQGLTV 136

Db 61 NQKFKGATLTVDSTSTAYMELSLSRSEDTAVYYCARNDYSNMW---YPDVWGQGLTV 120

QY 137 TVSSASTKGPVSFPLAPSSKSTSGGTALGCLVNDYFPEPVTVSWNSGALTSVHTPEAV 196

Db 121 TVSSASTKGPVSFPLAPSSKSTSGGTALGCLVNDYFPEPVTVSWNSGALTSVHTPEAV 180

QY 197 LQSSGLYSLSVTVPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDKTHTCPCPADPE 256

Db 181 LQSSGLYSLSVTVPSSSLGTQTYICNVNKKPSNTKYDKRVEPKSCDKTHTCPCPADPE 240

QY 257 LLAGPSVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFMYVDGVVHNAKTRPRE 316

Db 241 LLAGPSVFLFPKPKDTLMSRTPEVTCVVVDVSHEDPEVKFMYVDGVVHNAKTRPRE 300

QY 317 EQYNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAGQPREPOVTVLP 376

Db 301 EQYNSTYRVVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTISKAGQPREPOVTVLP 360

QY 377 SREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVD 436

Db 361 SREEMTKNQVSLTCLVKGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFPLYSKLTVD 420

QY 437 KSRWQGNVFCSCVMHBALNHNTQKSLSLSPGK 470

Db 421 KSRWQGNVFCSCVMHEALHNHYTKSLSPGK 454

RESULT 13

US-08-437-642B-22
Sequence 22, Application US/08437642B
Patent No. 6054297
GENERAL INFORMATION:
APPLICANT: Paul J. Carter
APPLICANT: Leonard G. Presta
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,642B
FILING DATE: 09-May-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206
FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-437-642B-22

Query Match 85.9%; Score 2161.5; DB 3; Length 454;
Best Local Similarity 89.4%; Pred. No. 4.3e-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;

QY 20 QVQLVQSGAEVKKPKASVKISCKASGYTFSTYMQWVKQAPQGLIEMNGEIDPSDSTNY 79
Db 1 QVQLVQSGPELVKPKASVKISCKTSGYTFTEYTHMMKQSHGKSLIEMIGFNPKNKGSSSH 60
QY 80 NQKRGKATLVVDNSTSTAYMELSLRSEDPAYVYCAARNRDSNNW---YFDVWGQGLTV 136
Db 61 NQRMFDKATLAVDKSTSTAYMELSLRSEDSGIYCAARMKGLNYGFDVRYFDVWGAGTTV 120
QY 137 TVSSASTGSPVPLAPSSKSTSGGTALGCLVKDYPEPEVTVSNNSGALTSGVTFPAV 196
Db 121 TVSSASTGSPVPLAPSSKSTSGGTALGCLVKDYPEPEVTVSNNSGALTSGVTFPAV 180
QY 197 LQSSGLYSLSSVTVVPSSSLGTQYICVNNHKSNTKVDKRVKPSCKTHTCPCPAPE 256

Db 181 LQSSGLYSLSSVTVVPSSSLGTQYICVNNHKSNTKVDKRVKPSCKTHTCPCPAPE 240
QY 257 LIGGSPVFLPPEPKKDTLMISRTPEVTCVYVDVSHEDPEVKFMYVYDGEVHNAKTPRE 316
Db 241 LIGGSPVFLPPEPKKDTLMISRTPEVTCVYVDVSHEDPEVKFMYVYDGEVHNAKTPRE 300
QY 317 EQVNSTYRVVSVLTVLHQDWLNGEKYCKVSNKALPAPIETKISKAGQPEEPQVYTLPP 376
Db 301 EQVNSTYRVVSVLTVLHQDWLNGEKYCKVSNKALPAPIETKISKAGQPEEPQVYTLPP 360
QY 377 SREEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPYLDSDGSFFLYSKLTV 436
Db 361 SREEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPYLDSDGSFFLYSKLTV 420
QY 437 KSRWQGNVFCSCVMHEALHNHYTKSLSPGK 470
Db 421 KSRWQGNVFCSCVMHEALHNHYTKSLSPGK 454

RESULT 14

US-08-146-206C-22
Sequence 22, Application US/08146206C
Patent No. 6407213
GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Method for Making Humanized Antibodies
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/146,206C
FILING DATE: 17-NO. 6407213-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-146-206C-22

Query Match 85.9%; Score 2161.5; DB 4; Length 454;
Best Local Similarity 89.4%; Pred. No. 4.3e-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;

QY 20 QVQLVQSGAEVKKPKASVKISCKASGYTFSTYMQWVKQAPQGLIEMNGEIDPSDSTNY 79
Db 1 QVQLVQSGPELVKPKASVKISCKTSGYTFTEYTHMMKQSHGKSLIEMIGFNPKNKGSSSH 60
QY 80 NQKRGKATLVVDNSTSTAYMELSLRSEDPAYVYCAARNRDSNNW---YFDVWGQGLTV 136
Db 61 NQRMFDKATLAVDKSTSTAYMELSLRSEDSGIYCAARMKGLNYGFDVRYFDVWGAGTTV 120

```
QY 137 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYFPEPVTVSMNSGALTSVHTFPVAV 196
DB 121 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYFPEPVTVSMNSGALTSVHTFPVAV 180
QY 197 LQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKPNITVDKKEVERKSCDKHTCCPCPAPE 256
DB 181 LQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKPNITVDKKEVERKSCDKHTCCPCPAPE 240
QY 257 LLAGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 316
DB 241 LLAGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 300
QY 317 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLLP 376
DB 301 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLLP 360
QY 377 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 436
DB 361 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 420
QY 437 KSRMQGNVFSQVMHEALHNHYTOKSLSPGK 470
DB 421 KSRMQGNVFSQVMHEALHNHYTOKSLSPGK 454
```

RESULT 15

```
PCT-US93-07832-22
; Sequence 22: Application PC/TUS9307832
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; TITLE OF INVENTION: Immunoglobulin Variants
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/07832
; FILING DATE: 19930820
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/715272
; FILING DATE: 14-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/05126
; FILING DATE: 15-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/934373
; FILING DATE: 21-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 709P2PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE:
; TELEFAX: 415/952-9881
; TELEEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; PWT-US93-07832-22
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Query Match 85.9%; Score 2161.5; DB 5; Length 454;

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Best Local Similarity 89.4%; Pred. No. 4,36-154;
Matches 406; Conservative 17; Mismatches 28; Indels 3; Gaps 1;
QY 20 QVQLVQSGAEVKKRQASGKVSKCSASGTFSTSYMMQWVKQAPGQGLLEMMGELDPSDSTNY 79
DB 1 QVQLVQSGAEVKKRQASGKVSKCSASGTFSTSYMMQWVKQAPGQGLLEMMGELDPSDSTNY 60
QY 80 NQPKFQATLTVDPSTSTAAVMEISLSRSEDAVAVYCARNDYSNNM--YFDVWGQGLV 136
DB 61 NQPKFQATLTVDPSTSTAAVMEISLSRSEDAVAVYCARNDYSNNM--YFDVWGQGLV 120
QY 137 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYFPEPVTVSMNSGALTSVHTFPVAV 196
DB 121 TVSSASTKGPSPVFLAPSSKSTSGTAAAGCLVNDYFPEPVTVSMNSGALTSVHTFPVAV 180
QY 197 LQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKPNITVDKKEVERKSCDKHTCCPCPAPE 256
DB 181 LQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKPNITVDKKEVERKSCDKHTCCPCPAPE 240
QY 257 LLAGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 316
DB 241 LLAGPSVFLPPPKKDTLMTSRTEPVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPRE 300
QY 317 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLLP 376
DB 301 EQNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPPVYTLLP 360
QY 377 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 436
DB 361 SREEMTNQVSLTCLVNGFYPSDIAVEMESNGQENNYKTTTPVLDSGSPFLYSKLTVD 420
QY 437 KSRMQGNVFSQVMHEALHNHYTOKSLSPGK 470
DB 421 KSRMQGNVFSQVMHEALHNHYTOKSLSPGK 454
```

Search completed: February 20, 2004, 13:35:09
Job time : 16.5872 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-143

Perfect score: 2517
Sequence: 1 MGMSCTILFLVATATGVHSQ.....MHKALHNHYTKSLSPGK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_NEW_PUB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2517	100.0	470	12	US-10-384-933-143 Sequence 143, App
2	2517	100.0	470	15	US-10-216-484-143 Sequence 143, App
3	2515	99.9	470	12	US-10-384-933-145 Sequence 145, App
4	2515	99.9	470	15	US-10-216-484-145 Sequence 145, App
5	2514	99.9	470	12	US-10-384-933-117 Sequence 117, App
6	2514	99.9	470	15	US-10-216-484-117 Sequence 117, App
7	2514	99.9	470	15	US-10-216-484-147 Sequence 147, App
8	2514	99.9	470	15	US-10-216-484-147 Sequence 147, App
9	2501	99.4	470	12	US-10-384-933-89 Sequence 89, App
10	2501	99.4	470	15	US-10-216-484-89 Sequence 89, App
11	2495	99.1	470	12	US-10-384-933-157 Sequence 157, App
12	2495	99.1	470	15	US-10-216-484-157 Sequence 157, App
13	2346.5	93.2	731	10	US-09-825-012-46 Sequence 46, App
14	2346.5	93.2	741	10	US-09-825-012-55 Sequence 55, App
15	2341.5	93.0	729	10	US-09-825-012-52 Sequence 52, App

16	2341.5	93.0	739	10	US-09-825-012-61 Sequence 61, App
17	2335.5	92.8	730	10	US-09-825-012-49 Sequence 49, App
18	2335.5	92.8	740	10	US-09-825-012-58 Sequence 58, App
19	2288.5	90.9	469	12	US-10-377-121-18 Sequence 18, App
20	2288.5	90.9	469	12	US-10-377-121-18 Sequence 18, App
21	2264	89.9	476	12	US-10-225-108A-16 Sequence 16, App
22	2264	89.9	476	12	US-10-461-148-9 Sequence 9, App
23	2258.5	89.7	467	12	US-10-353-708-41 Sequence 41, App
24	2258.5	89.7	467	12	US-10-353-708-41 Sequence 41, App
25	2258.5	89.7	467	12	US-10-353-708-59 Sequence 59, App
26	2258.5	89.7	467	12	US-10-353-708-47 Sequence 47, App
27	2258.5	89.7	467	15	US-10-171-452A-41 Sequence 41, App
28	2258.5	89.7	467	15	US-10-171-452A-47 Sequence 47, App
29	2255.5	89.6	467	12	US-10-353-708-53 Sequence 53, App
30	2255.5	89.6	467	15	US-10-171-452A-53 Sequence 53, App
31	2255	89.6	472	12	US-10-159-006-43 Sequence 43, App
32	2255	89.6	476	10	US-09-747-669-3 Sequence 3, App
33	2255	89.6	476	15	US-10-290-703-3 Sequence 3, App
34	2238.5	88.9	448	12	US-10-378-567-2 Sequence 2, App
35	2226	88.4	476	12	US-10-409-938-15 Sequence 15, App
36	2225.5	88.4	448	12	US-10-353-708-48 Sequence 48, App
37	2225.5	88.4	448	12	US-10-353-708-60 Sequence 60, App
38	2225.5	88.4	448	15	US-10-171-452A-48 Sequence 48, App
39	2225.5	88.4	448	15	US-10-171-452A-60 Sequence 60, App
40	2225.5	88.4	489	12	US-10-104-047-3329 Sequence 3329, App
41	2222.5	88.3	448	12	US-10-353-708-42 Sequence 42, App
42	2222.5	88.3	448	12	US-10-353-708-54 Sequence 54, App
43	2222.5	88.3	448	15	US-10-171-452A-42 Sequence 42, App
44	2222.5	88.3	448	15	US-10-171-452A-54 Sequence 54, App
45	2209.5	87.8	477	12	US-10-108-260A-4289 Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Keiro
; APPLICANT: Tamaki, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143
Query Match 100.0%; (Score 2517; DB 12; Length 470;
Best local similarity 100.0%; Pred. No. 4.6e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPQASVKSGASGFTSTYMWQVKKAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPQASVKSGASGFTSTYMWQVKKAP 60
Cy 61 GCGLENGEIDPSSTYNQKFKGKATLVDTSTAYMELSLRSEDYVYVCARRRD 120
|||||

Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDYAVYYCARRD 120
Qy 121 YSNMWFVDMWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVVS 180
Db 121 YSNMWFVDMWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDITMISRTPEVTCVVDVSHEDBEVKNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDITMISRTPEVTCVVDVSHEDBEVKNW 300
Qy 301 YVDGEVHNAKTKREEQNSTYRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREEQNSTYRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNNHTOKSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNNHTOKSLSPGK 470

RESULT 2

US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976F1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976a1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 4.6e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MMSGCIILFLVATATGVHSQVQLVQSGAEVYKPKGASVYVSCKASGYTFTSYMMQWVQAP 60
Db 1 MMSGCIILFLVATATGVHSQVQLVQSGAEVYKPKGASVYVSCKASGYTFTSYMMQWVQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDYAVYYCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDYAVYYCARRD 120
Qy 121 YSNMWFVDMWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVVS 180
Db 121 YSNMWFVDMWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240

Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDITMISRTPEVTCVVDVSHEDBEVKNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDITMISRTPEVTCVVDVSHEDBEVKNW 300
Qy 301 YVDGEVHNAKTKREEQNSTYRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREEQNSTYRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNNHTOKSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQGNVFCSCVMEALHNNHTOKSLSPGK 470

RESULT 3

US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145

Query Match 99.8%; Score 2515; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 6.3e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MMSGCIILFLVATATGVHSQVQLVQSGAEVYKPKGASVYVSCKASGYTFTSYMMQWVQAP 60
Db 1 MMSGCIILFLVATATGVHSQVQLVQSGAEVYKPKGASVYVSCKASGYTFTSYMMQWVQAP 60
Qy 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDYAVYYCARRD 120
Db 61 GGGLEMMGEIDPSSTYNNQKFKGKATLTVDTSTAYMELSLRSEDYAVYYCARRD 120
Qy 121 YSNMWFVDMWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVVS 180
Db 121 YSNMWFVDMWQGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICVNNHKPSTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDITMISRTPEVTCVVDVSHEDBEVKNW 300
Db 241 KSCDKHTCPCPAPBELLGSPVFLFPKPKDITMISRTPEVTCVVDVSHEDBEVKNW 300
Qy 301 YVDGEVHNAKTKREEQNSTYRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREEQNSTYRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360

Db 301 YVDGEVHNATKREBOYNSTRVSVLTJLHODMLNGKEYCKKCVSNKALPAPIEKTIS 360
 Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
 Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
 Qy 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHTQKSLSLSPGK 470
 Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHTQKSLSLSPGK 470

RESULT 4
 US-10-216-484-145
 ; Sequence 145, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/216, 484
 ; PRIOR FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499, 662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053, 583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 145
 ; LENGTH: 470
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-216-484-145

Query Match 99.9%; Score 2515; DB 15; Length 470;
 Best Local Similarity 99.8%; Pred. No. 6.3e-166;
 Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
 Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
 Qy 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDTSTSTAYMELSLRSEDIAVYYCARNRD 120
 Db 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDTSTSTAYMELSLRSEDIAVYYCARNRD 120
 Qy 121 YSNMWYFDVWGQGLTVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVS 180
 Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVS 180
 Qy 181 WNSGALTSQVTFPAVLQSSGLYSISVYTPSSSLGTQTYICVNNHSPSTTKYDKRVEP 240
 Db 181 WNSGALTSQVTFPAVLQSSGLYSISVYTPSSSLGTQTYICVNNHSPSTTKYDKRVEP 240
 Qy 241 KSCDKHTKPCPAPELLGSPVFLPPPKKDTLMISRTPEVTCVVDVSHEDDEVKFNW 300
 Db 241 KSCDKHTKPCPAPELLGSPVFLPPPKKDTLMISRTPEVTCVVDVSHEDDEVKFNW 300
 Qy 301 YVDGEVHNATKREBOYNSTRVSVLTJLHODMLNGKEYCKKCVSNKALPAPIEKTIS 360
 Db 301 YVDGEVHNATKREBOYNSTRVSVLTJLHODMLNGKEYCKKCVSNKALPAPIEKTIS 360
 Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
 Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
 Qy 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHTQKSLSLSPGK 470
 Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHTQKSLSLSPGK 470

Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHTQKSLSLSPGK 470

RESULT 5
 US-10-384-933-117
 ; Sequence 117, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Takashi, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT APPLICATION NUMBER: US/10/384, 933
 ; PRIOR FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499, 662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 117
 ; LENGTH: 470
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-384-933-117

Query Match 99.9%; Score 2514; DB 12; Length 470;
 Best Local Similarity 99.8%; Pred. No. 7.4e-166;
 Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
 Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVKAP 60
 Qy 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDTSTSTAYMELSLRSEDIAVYYCARNRD 120
 Db 61 GQGLEMMGEIDPSSTYNNOKFQKATLTVDTSTSTAYMELSLRSEDIAVYYCARNRD 120
 Qy 121 YSNMWYFDVWGQGLTVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVS 180
 Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVFLPAPSKSTSGGTALGCLVKDYFPEPTVS 180
 Qy 181 WNSGALTSQVTFPAVLQSSGLYSISVYTPSSSLGTQTYICVNNHSPSTTKYDKRVEP 240
 Db 181 WNSGALTSQVTFPAVLQSSGLYSISVYTPSSSLGTQTYICVNNHSPSTTKYDKRVEP 240
 Qy 241 KSCDKHTKPCPAPELLGSPVFLPPPKKDTLMISRTPEVTCVVDVSHEDDEVKFNW 300
 Db 241 KSCDKHTKPCPAPELLGSPVFLPPPKKDTLMISRTPEVTCVVDVSHEDDEVKFNW 300
 Qy 301 YVDGEVHNATKREBOYNSTRVSVLTJLHODMLNGKEYCKKCVSNKALPAPIEKTIS 360
 Db 301 YVDGEVHNATKREBOYNSTRVSVLTJLHODMLNGKEYCKKCVSNKALPAPIEKTIS 360
 Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
 Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGPSPDIAVEMESNQPENNYKTPPV 420
 Qy 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHTQKSLSLSPGK 470
 Db 421 LDSGSFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNNHTQKSLSLSPGK 470

RESULT 6
 US-10-384-933-147
 ; Sequence 147, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:

```

; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; US-10-384-933-147

```

```

Query Match      99.9%; Score 2514; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.4e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
DB 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
QY 61 GQGLEMMGEIDPSDSTYNQKFKGKATLVDTSTAYMELSLRSDTAIVYCARNRD 120
DB 61 GQGLEMMGEIDPSDSTYNQKFKGKATLVDTSTAYMELSLRSDTAIVYCARNRD 120
QY 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
DB 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
QY 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
DB 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
QY 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
DB 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
QY 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
DB 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
QY 241 KSCDKHTPCPCPAPELLGGPSVFLFPPPKDITLMISRTEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTPCPCPAPELLGGPSVFLFPPPKDITLMISRTEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
QY 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEHESNGQPENNYKTPPV 420
DB 361 KAKQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEHESNGQPENNYKTPPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTQKSLSLSPGK 470

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RESULT 7
US-10-216-484-117
; Sequence 117, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484

```

```

; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; US-10-216-484-117

```

```

Query Match      99.9%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.4e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
DB 1 MGSCIIIFLVATATGVHSQVQLVQSGAEVKKPGASVYVSCKASGYTFSTYMQWVKQAP 60
QY 61 GQGLEMMGEIDPSDSTYNQKFKGKATLVDTSTAYMELSLRSDTAIVYCARNRD 120
DB 61 GQGLEMMGEIDPSDSTYNQKFKGKATLVDTSTAYMELSLRSDTAIVYCARNRD 120
QY 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
DB 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
QY 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
DB 121 YSNMYFDVWGEGTLVYSSASTKGPSPFLAPSSKSTSGTALGCLVNDYFPEPTVVS 180
QY 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
DB 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
QY 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
DB 181 WNSGALTSVGFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
QY 241 KSCDKHTPCPCPAPELLGGPSVFLFPPPKDITLMISRTEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTPCPCPAPELLGGPSVFLFPPPKDITLMISRTEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
QY 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREEOYNSTYRVSVLTQLHQMNLNGKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEHESNGQPENNYKTPPV 420
DB 361 KAKQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEHESNGQPENNYKTPPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSVNHEALHNHYTQKSLSLSPGK 470

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RESULT 8
US-10-216-484-147
; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470

```

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-147

Query Match 99.4%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.4%; Pred. No. 7,4e-165;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDYAVYYCARNRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDYAVYYCARNRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPSVFPLPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
DB 121 YSNMWYFDVWGQGLTVTVSSASTKGPSVFPLPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQYIICVNNHPSNTKYDKRVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQYIICVNNHPSNTKYDKRVEP 240
QY 241 KSCDKHTCPCPAPPELLIGSPVFLPPPKPDOTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLIGSPVFLPPPKPDOTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREBQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKREBQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
DB 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSPGK 470

RESULT 9
US-10-384-933-89

Sequence 89, Application US/10384933
Publication No. US20030170817A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 2000-02-09

PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US 09/053,583

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy

US-10-384-933-89

Query Match 99.4%; Score 2501; DB 12; Length 470;

Best Local Similarity 99.4%; Pred. No. 5.9e-165;
Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDYAVYYCARNRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDYAVYYCARNRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPSVFPLPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
DB 121 YSNMWYFDVWGQGLTVTVSSASTKGPSVFPLPSSKSTSGGTAALGCLVKDYFPEPVTVS 180
QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQYIICVNNHPSNTKYDKRVEP 240
DB 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQYIICVNNHPSNTKYDKRVEP 240
QY 241 KSCDKHTCPCPAPPELLIGSPVFLPPPKPDOTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLIGSPVFLPPPKPDOTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKREBQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKREBQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
DB 361 KAKQPREPQYVTLPPSRHEMTKNQVSLTCLVKGPFSDDIVEMESNQPENNYKTTTPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQQGNVFCSCVMHEALHNHYTOKSLSPGK 470

RESULT 10

US-10-216-484-89

Sequence 89, Application US/10216484

Publication No. US20030103976A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori

APPLICANT: Takahashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 89

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy

US-10-216-484-89

Query Match 99.4%; Score 2501; DB 15; Length 470;
Best Local Similarity 99.4%; Pred. No. 5.9e-165;
Matches 467; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDYAVYYCARNRD 120

```
Db 61 GORLEWMEIDPSDYTNQKFKGKATLTVDTASTAYMELSLRSEDYAVYYCARND 120
Qy 121 YSNMNYFPVWOGTLVTVSSASTKGSVPPLAPSKSGGTAALGCLVKDYFPEPVVS 180
Db 121 YSNMNYFPVWOGTLVTVSSASTKGSVPPLAPSKSGGTAALGCLVKDYFPEPVVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSLSLGTQYI CNVNHKPSNTKVDKVEP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSLSLGTQYI CNVNHKPSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPPELLGGSVFLFPKPKDTLMI SRTEPVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGSVFLFPKPKDTLMI SRTEPVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGPPEPQYVTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKGPPEPQYVTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMQGNVFCSVHREALHNYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMQGNVFCSVHREALHNYTQKSLSLSPGK 470

RESULT 11
US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157

Query Match 99.1%; Score 2495; DB 12; Length 470;
Best Local Similarity 98.7%; Pred. No. 1.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

```
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSVTVVPSLSLGTQYI CNVNHKPSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPPELLGGSVFLFPKPKDTLMI SRTEPVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGSVFLFPKPKDTLMI SRTEPVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKGPPEPQYVTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKGPPEPQYVTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMQGNVFCSVHREALHNYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMQGNVFCSVHREALHNYTQKSLSLSPGK 470

RESULT 12
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157

Query Match 99.1%; Score 2495; DB 15; Length 470;
Best Local Similarity 98.7%; Pred. No. 1.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

Db 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 470

RESULT 13
US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFGL heavy chain - DNase I fusion
US-09-825-012-46

Query Match 93.2%; Score 2346.5; DB 10; Length 731;
Best Local Similarity 93.0%; Pred. No. 4.8e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

Qy 1 MGMSCTILFLVATATGCHSQVQLVQSGAEVKKPGASVKSCKASGYTTSYMMQWVKQAP 60
Db 1 MGMSCTILFLVATATGCHSQVQLVQSGAEVKKPGASVKSCKASGYTTSYMMQWVKQAP 60
Qy 61 GGGLEWGEILPGSNNSRYNEKFKGRVTVTVDSTNTAYMELSLRSDDTAVYICARSD 120
Db 61 GGGLEWGEILPGSNNSRYNEKFKGRVTVTVDSTNTAYMELSLRSDDTAVYICARSD 120
Qy 121 YSNMWFDPVWQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 180
Db 121 YSNMWFDPVWQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 180
Qy 121 PA---WFAVMQGLTVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 177
Db 121 PA---WFAVMQGLTVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 177
Qy 181 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Db 181 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Qy 178 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Db 178 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Qy 241 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy 238 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 360
Qy 298 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Qy 358 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Db 358 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 470
Qy 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 467
Db 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 467

RESULT 14
US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFGL heavy chain - DNase I fusion
US-09-825-012-55

Query Match 93.2%; Score 2346.5; DB 10; Length 741;
Best Local Similarity 93.0%; Pred. No. 4.9e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

Qy 1 MGMSCTILFLVATATGCHSQVQLVQSGAEVKKPGASVKSCKASGYTTSYMMQWVKQAP 60
Db 1 MGMSCTILFLVATATGCHSQVQLVQSGAEVKKPGASVKSCKASGYTTSYMMQWVKQAP 60
Qy 61 GGGLEWGEILPGSNNSRYNEKFKGRVTVTVDSTNTAYMELSLRSDDTAVYICARSD 120
Db 61 GGGLEWGEILPGSNNSRYNEKFKGRVTVTVDSTNTAYMELSLRSDDTAVYICARSD 120
Qy 121 YSNMWFDPVWQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 180
Db 121 YSNMWFDPVWQGTLLVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 180
Qy 121 PA---WFAVMQGLTVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 177
Db 121 PA---WFAVMQGLTVTVSSASTKGPVFPPLAPSSKTSGGTAAAGCLVKDYFPEPVVS 177
Qy 181 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Db 181 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 240
Qy 178 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Db 178 WNSGALTSVGTTPAVLQSSGLYSLSVTVVPSSSLGTQTYICVNNHSPSTKVDKVEP 237
Qy 241 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Qy 238 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Db 238 KSCCKTTCPCPCPAPELLGSPVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 360
Qy 298 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 357
Db 298 YVDGEVHNAKTKREDOYNSTYRVSVLTJLHODWLNKGEYKCVSNKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Db 361 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 420
Qy 358 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Db 358 KAKQPREPOVYTLPPSHEMTKNQVSLTCLVKGYPSDIAVEMESNQPENNYKTPPV 417
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 470
Qy 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 467
Db 418 LDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNNHTYTKSLSLSPGK 467

RESULT 15
US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: GB 0008049.9
 ; PRIOR FILING DATE: 2000-04-03
 ; NUMBER OF SEQ ID NOS: 102
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 52
 ; LENGTH: 729
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
 US-09-825-012-52

Query Match 93.0%; Score 2341.5; DB 10; Length 729;
 Best Local Similarity 93.0%; Pred. No. 1.1e-153;
 Matches 436; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

QY	1	MGWSCIILFLVATATGVSVOVLVOSGAIVKPKGASVVSCKASGYTFTSYMMQWVROAP	60
DB	1	MGWSCIILFLVATATGVSVOVLVOSGAIVKPKGASVVSCKASGYTFTSYMMQWVROAP	60
QY	61	GQGLEMMGEIDPSDYTNQKFKGKATLVDTSTAYMEISLSRSEDVAVYYCARNRD	120
DB	61	GKGLFEMVGEILPGSNNSRNYNEKGRVTVTRDTSTNTAYMEISLSRSEDVAVYYCARSDYD	120
QY	121	YSNNWYFDVWGQGITLVYSASTKGPVPLAPSSKSTSGTALGCLVKDYFPEPTVS	180
DB	121	FA--WFAVWGQGITLVYSASTKGPVPLAPSSKSTSGTALGCLVKDYFPEPTVS	177
QY	181	WNSGALISGVHTFPFVAVLQSSGLYSLSVTVVPSLSIGTQTYICNVNHHKPSNTKVDKVEP	240
DB	178	WNSGALISGVHTFPFVAVLQSSGLYSLSVTVVPSLSIGTQTYICNVNHHKPSNTKVDKVEP	237
QY	241	KSCDKHTCPCPAPPELLGSPVFLPPPKDITLMISRTPEVTCVVDVSHEDPEVKFNW	300
DB	238	KSCDKHTCPCPAPPELLGSPVFLPPPKDITLMISRTPEVTCVVDVSHEDPEVKFNW	297
QY	301	YVDGEVHNAAKTKPREEQYNSTYRVSVLTVLHODPLNGEKYCKVSNKALPAPIETIS	360
DB	298	YVDGEVHNAAKTKPREEQYNSTYRVSVLTVLHODPLNGEKYCKVSNKALPAPIETIS	357
QY	361	KAKGQPREPQVYTLPPSRHEMTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV	420
DB	358	KAKGQPREPQVYTLPPSRDELTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV	417
QY	421	LDSDGSFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPG	469
DB	418	LDSDGSFLYSKLTVDKSRMQQGNVFSCSVMHEALHNHYTQKSLSLSPG	466

Search completed: February 20, 2004, 14:25:38
 Job time : 36.6422 secs

QY 298 FNMVVDGVEVNAKTKPREBOYNSTYRVSVLTVLHODMLNGKEYCKCVSNKALPAP1EK 357
DB 300 FNMVVDGVEVNAKTKPREBOYNSTYRVSVLTVLHODMLNGKEYCKCVSNKALPAP1EK 359
QY 358 TISAKGQPREPOVYTLTPRSREEMTKNOVSLTCLVKGFPSPDIAVEMESNQPENNYKT 417
DB 360 TISAKGQPREPOVYTLTPRSREEMTKNOVSLTCLVKGFPSPDIAVEMESNQPENNYKT 419
QY 418 PPVLDSDGFFLYSKLTVDKSRMOQGNVFCSCVMEHALNHNTOKSLSPGK 470
DB 420 PPVLDSDGFFLYSKLTVDKSRMOQGNVFCSCVMEHALNHNTOKSLSPGK 472

RESULT 2

US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876361
GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378, 939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-10

Query Match 88.7%; Score 2232; DB 2; Length 476;
Best Local Similarity 88.7%; Pred. No. 4,1e-160;

Matches 422; Conservative 20; Mismatches 28; Indels 6; Gaps 1;

QY 1 MGWSCILFLVATATGVSQVQLVQSGAEVKKPGASVKYSCKASGYTFTSYMMQWVQAP 60
DB 1 MDWTWRFLFVVAATAGVQSQWVQSGAEVKKPGASVTVSCASGCTFSNAISWRQAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATITVDISTSTAYMELSLRSRSDTAVYTCARR- 119
DB 61 GQGLEMMGGIILPGTPTYSQNFQGRVYITADKSTSTAMELTSLSRSDTAVYTCADRY 120
QY 120 -----DVSNNMYFPVWGQGLTVTVSSASTKGSVPPLAPSSKSTSGCTAALGCLVQDFP 174
DB 121 ROANFDRARVGMFPWGQGLTVTVSSASTKGSVPPLAPSSKSTSGCTAALGCLVQDFP 180

QY 175 EPVTVMNSGALNGSHTPPAVLQSSGLYSLSVYTPSSSLGTQTYICNNHKEPSNTKV 234
DB 181 EPVTVMNSGALNGSHTPPAVLQSSGLYSLSVYTPSSSLGTQTYICNNHKEPSNTKV 240
QY 235 DKRVKPSCDKTHCPCPAPABELLGPSVFLFPKPKDTLMISRTPEYTCVAVVSHEDP 294
DB 241 DKRVKPSCDKTHCPCPAPABELLGPSVFLFPKPKDTLMISRTPEYTCVAVVSHEDP 300
QY 295 EVKENMYVDGVEVNAKTKPREBOYNSTYRVSVLTVLHODMLNGKEYCKCVSNKALPAP 354
DB 301 EVKENMYVDGVEVNAKTKPREBOYNSTYRVSVLTVLHODMLNGKEYCKCVSNKALPAP 360
QY 355 IEKTIKRAKQPREPOVYTLTPRSREEMTKNOVSLTCLVKGFPSPDIAVEMESNQPENNY 414
DB 361 IEKTIKRAKQPREPOVYTLTPRSREEMTKNOVSLTCLVKGFPSPDIAVEMESNQPENNY 420
QY 415 KTFPPVLDSDGFFLYSKLTVDKSRMOQGNVFCSCVMEHALNHNTOKSLSPGK 470
DB 421 KTFPPVLDSDGFFLYSKLTVDKSRMOQGNVFCSCVMEHALNHNTOKSLSPGK 476

RESULT 3

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458, 516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059, 159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

Query Match 88.6%; Score 2230; DB 1; Length 449;
Best Local Similarity 92.9%; Pred. No. 5.4e-160;

Matches 419; Conservative 15; Mismatches 15; Indels 2; Gaps 2;

QY 20 QVQLVQSGAEVKKPGASVKYSCKASGYTFTSYMMQWVKAPGQGLEMMGEIDPSDYNTN 79
DB 1 QVQLVQSGAEVKKPGSSVKVSCASGYAFTNYYLIEWRQAPGQGLEMMIGVYIPSGSGTNY 60

Qy	80	NOKPFGKAITIYDTSITSTAYMELSSLRSEPTAIYYCARNRDYNNMYFDVMGGTLVTS	139
Db	61	NEKFKGRVTLITVDESNITNAYMELSSLRSEPTAIYFCAR-RDGNYGM-FAYMGGTLVTS	118
Qy	140	SASTGKPSVFPLAPSSKSTSGGTAAAGCLVKDIPPEPVTVSNNSGALLTSGVTHFPVALQS	199
Db	119	SASTGKPSVFPLAPSSKSTSGGTAAAGCLVKDIPPEPVTVSNNSGALLTSGVTHFPVALQS	178
Qy	200	SGLYSLSSVYVTPSSSLGTQTYICNNVNHKPSNTKVDKRAVEPKSCDKTHTCPCPAPAPLLG	255
Db	179	SGLYSLSSVYVTPSSSLGTQTYICNNVNHKPSNTKVDKRAVEPKSCDKTHTCPCPAPAPLLG	238
Qy	260	GPSVFLPPKPKDPTLMISRTPEVTCVVVYDSHEDPEVKFMVYDGYEVNNAKTKPREQY	319
Db	239	GPSVFLPPKPKDPTLMISRTPEVTCVVVDSHEDPEVKFMVYDGYEVNNAKTKPREQY	298
Qy	330	NSTYEVSVLYTLVHODMLNGKEYCKVSNKALPAPILEKTISSAKGQPREPOVYTLPEPRE	379
Db	299	NSTYEVSVLYTLVHODMLNGKEYCKVSNKALPAPILEKTISSAKGQPREPOVYTLPEPSRD	358
Qy	380	EETKIQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVYLDSDGSFFLYSKLTYDCKSR	439
Db	359	ELTKIQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVYLDSDGSFFLYSKLTYDCKSR	418
Qy	440	WQGGVVFSCSVNHEALAHNYTOKSLSPCK	470
Db	419	WQGGVVFSCSVNHEALAHNYTOKSLSPCK	449

RESULT 4
 US-09-049-672A-8
 Sequence 8, Application US/09049672A
 Patent No. 6135941
 GENERAL INFORMATION:
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Tang, Y. Tom
 APPLICANT: Yue, Henry
 APPLICANT: Au-Yang, Janice
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl J.
 APPLICANT: Baughn, Mariah R.
 TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: PafseSO for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/049,672A
 FILING DATE: HEREWITH
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cerrone, Michael C
 REGISTRATION NUMBER: 39,132
 REFERENCE/DOCKET NUMBER: PE-0497 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 8:

```

/      SEQUENCE CHARACTERISTICS
/      LENGTH: 467 amino acids
/      TYPE: amino acid
/      STRANDEDNESS: single
/      TOPOLOGY: linear
/      IMMEDIATE SOURCE:
/      LIBRARY: LUNGTUT11
/      CLONE: 2747531
US-09-049-672A-8

```

Query Match	87.4%;	Score 2200.5;	DB 3;	Length 467;
Best Local Similarity	89.0%;	Pred. No. 9.4e-158;		
Matches 413; Conservative	20;	Mismatches 28;	Indels 3;	Gaps 1;

QY	7	ILFLVAAKTGVNSVQVLVOSGALEVKKPAGASVYVSCASGYTPTSVMQWVKAAPGGGLM	66
Db	7	ILFLVAAKTGHAAQVLVOSGALEVKKPAGASVYVSCVSGFTSLDLSVHHVRQAPGGGLM	66
QY	67	MGEIDPSDSTYNNOXKFKAKITIVDTSTJAVMBLSLSRSEDYAVYCARNRDYSNNY	126
Db	67	MGLGLPENGAEVAAQKFLGRLLTSLDSTADTYMFLNNIGSDESAIYYCARQH---	YDFE 123
QY	127	FDWMOOGLTVNYSASKTGSPVFLPASPSTSGGTALGCIWKQYFPEPVYSNMSGAL	186
Db	124	FDWMOOGLTVNYSASKTGSPVFLPASPSTSGGTALGCIWKQFPEPVYSNMSGAL	183
QY	187	TSGVHTFPAVLQSSGLSYLSVYVTPSSSLGTQYIICNNHKBPNTKVDKREPKSCDKT	246
Db	184	TSGVHTFPAVLQSSGLSYLSVYVTPSSSLGTQYIICNNHKBPNTKVDKREPKSCDKT	243
QY	247	HTCPPCPAPBELLIGSPVFLPPPKPKOTLMIISTPEYTCVVDVSHDEPEVKRMVYDGYE	306
Db	244	HTCPPCPAPBELLIGSPVFLPPPKPKOTLMIISTPEYTCVVDVSHDEPEVKRMVYDGYE	303
QY	367	VHNAATKPREBOYNSTYRVSVLYTLHODMLNGKEKCCVSNKALPAPJEKTSISKAGOP	366
Db	364	VHNAATKPREBOYNSTYRVSVLYTLHODMLNGKEKCCVSNKALPAPJEKTSISKAGOP	363
QY	367	REPQYTLTPPSREEMTKQVSLTCLVKGFYPSDIAVEMESNQOPENNYYKTTTPPVIDSDG	426
Db	364	REPQYTLTPPSREEMTKQVSLTCLVKGFYPSDIAVEMESNQOPENNYYKTTTPPVIDSDG	423
QY	427	FFLVSKLTVDSKRWQOQNVFSCSVNHEALAHNNYTKSLSLSPGK 470	
Db	424	FFLVSKLTVDSKRWQOQNVFSCSVNHEALAHNNYTKSLSLSPGK 467	

RESULT 5
 US-09-027-449-71
 ; Sequence 71, Application US/09027449
 ; Patent No. 6025158
 ; GENERAL INFORMATION:
 ; APPLICANT: Gonzalez, Tania R.
 ; APPLICANT: Leon, Steven R.
 ; APPLICANT: Presta, Leonard G.
 ; TITLE OF INVENTION: Antibody Fragment-polymer Conjugates and
 ; TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
 ; NUMBER OF SEQUENCES: 72
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WinPatIn (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/027,449
 ; FILING DATE: 20-Feb-1998

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.3%; Score 2198.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 1.3e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEVKKGASVKVSCKASGTFSTSYMMQWVQAQPGQGLWMGGLDPSDSTNY 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYHWVRQAPGKGLWVGYPDPSNGETTY 60
QY 80 NQKFKGKATITVDSTSTAYMELSLRSEDTAIVYYCAR-NRDYSNNMYFDVWGQGLTVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYIQMNSLRADTAIVYYCARGDYRNGDMWFFDVWGQGLTVTV 120
QY 139 SSASTKGPSVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTPPAVLQ 198
DB 121 SSASTKGPSVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTPPAVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQTYICNVNPKSPNTKVDKRVKPSGCDKHTHCPCPAPRL 258
DB 181 SSGLYSLSSVTVVSSSLGTQTYICNVNPKSPNTKVDKRVKPSGCDKHTHCPCPAPRL 240
QY 259 GGPSPVLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFWMYVDDGVENAHAKTFRREQ 318
DB 241 GGPSPVLPFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFWMYVDDGVENAHAKTFRREQ 300
QY 319 YNSTYRVVSVLTTLHQMNLNGEKYCKVSNALPAPIEKTIISKAGQPREPQVYTLPPSR 378
DB 301 YNSTYRVVSVLTTLHQMNLNGEKYCKVSNALPAPIEKTIISKAGQPREPQVYTLPPSR 360
QY 379 EEMTKNQVSLTCLVKGFYPSDIAAVWESNGQPENNYKTTPPLDSDGFFPYYSKLTVDKS 438
DB 361 EEMTKNQVSLTCLVKGFYPSDIAAVWESNGQPENNYKTTPPLDSDGFFPYYSKLTVDKS 420
QY 439 RWOQGNVFSCSVMEHALNHYTKSLSPGK 470

DB 421 RWOQGNVFSCSVMEHALNHYTKSLSPGK 452

|||||
RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Heel, Vanessa
APPLICANT: Koumentis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.3%; Score 2198.5; DB 4; Length 452;
Best Local Similarity 89.8%; Pred. No. 1.3e-157;
Matches 406; Conservative 28; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVQSGAEVKKGASVKVSCKASGTFSTSYMMQWVQAQPGQGLWMGGLDPSDSTNY 79
DB 1 EVQLVQSGGGLVQPGGSLRLSCAASGYSFSSHYHWVRQAPGKGLWVGYPDPSNGETTY 60
QY 80 NQKFKGKATITVDSTSTAYMELSLRSEDTAIVYYCAR-NRDYSNNMYFDVWGQGLTVTV 138
DB 61 NQKFKGRTLSRDNSKNTAYIQMNSLRADTAIVYYCARGDYRNGDMWFFDVWGQGLTVTV 120
QY 139 SSASTKGPSVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTPPAVLQ 198
DB 121 SSASTKGPSVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTPPAVLQ 180
QY 199 SSGLYSLSSVTVVSSSLGTQTYICNVNPKSPNTKVDKRVKPSGCDKHTHCPCPAPRL 258

181 SSGLYSSVTVSSSLGTQTYICNVNHNKPSNTVDKCKVEPKSCDKHTPCPCAPBEL 240
259 GGBSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEKFMNVYDGVENNAKTRPREQ 318
241 GGBSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEKFMNVYDGVENNAKTRPREQ 300
319 YNSTYRVSVVLTVLHODWLNKKEYCKVSNKALPAPIEKTISKAKGPREPVYTLPEPSR 378
301 YNSTYRVSVVLTVLHODWLNKKEYCKVSNKALPAPIEKTISKAKGPREPVYTLPEPSR 360
379 EEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFLYSKLTVDK 438
361 EEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFLYSKLTVDK 420
439 RMOOGNVFSCSVMEHALNHYTOKSLISLSPGK 470
421 RMOOGNVFSCSVMEHALNHYTOKSLISLSPGK 452

RESULT 9

US-09-301-593-30
Sequence 30, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Parit, John R.
APPLICANT: Garin-Cheea, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leiger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with Improved Producibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1998-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.3%; Score 2198; DB 4; Length 472;
Best Local Similarity 87.7%; Pred. No. 1.5e-157;
Matches 415; Conservative 20; Mismatches 34; Indels 4; Gaps 2;

1 MGMSCIILFLVATATGVHVSQVLOVSGAEVKKPGASVVSCKASGCTFTYMWQWVKAP 60
1 MGMSWVFLFLISGTAAGVLSVQLOSGPELVKPGASVMSCKTSYITTEITTHKVRSH 60
61 GQGLMMGEIDPSDYTNQKFKGKATITVDSTSTAYMELSLRSDTAAYVYCARNR- 119
61 GKSLEWIGGINPNNGIPYNNQKFKGRATLTVGKSSSTAYMELRSLTSDSAVYFCARRI 120
120 --DYSNMNYFDVWQGLTVYSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPV 177
121 AYGDGEGHAMDYWGQSTVTVSS-STKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPV 179
178 TVSNNSGALTSQVTFEPVAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKR 237
180 TVSNNSGALTSQVTFEPVAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDK 239
238 VEPSCDKHTPCPCAPABELGGBSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVK 297
240 VEPSCDKHTPCPCAPABELGGBSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVK 299
298 FNMVYDGVENNAKTRPREQYNSTYRVSVVLTVLHODWLNKKEYCKVSNKALPAPIEK 357

300 FNMVYDGVENNAKTRPREQYNSTYRVSVVLTVLHODWLNKKEYCKVSNKALPAPIEK 359
358 TISKAKGPREPVYTLPEPSREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKT 417
360 TISKAKGPREPVYTLPEPSREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKT 419
418 PPVLDSDGSFFLYSKLTVDKSRMOQGVFSCSVMEHALNHYTOKSLISLSPGK 470
420 PPVLDSDGSFFLYSKLTVDKSRMOQGVFSCSVMEHALNHYTOKSLISLSPGK 472

RESULT 10

US-09-485-737B-67
Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buysse, Marie-Ange
APPLICANT: Sablon, Edwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
NUMBER OF SEQ ID NOS: 104
SOFTWARE: Patentin version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.5%; Score 2177; DB 4; Length 468;
Best Local Similarity 88.2%; Pred. No. 5.6e-156;
Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

6 IILFLVATATGVHVSQVLOVSGAEVKKPGASVVSCKASGCTFTYMWQWVKAPGQGLE 65
7 IFLFLISASVLSQVLOVSGSELKPKPGASVKSICASGCTFTDYGMNVKQAPGQGLK 66
66 WMGSIIDSDSYTNQKFKGKATITVDSTSTAYMELSLRSDTAAYVYCARNDYGMNV 125
67 WMGINITYTGBSTYVDVDFKGRFVPSLDTVSAAVLQISLSLAEDTATYFCARRGFTA--- 123
126 YFDVWQGLTVYSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNNSGA 185
124 -MDVWQGLTVYVSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNNSGA 182
186 LTSQVTFEPVAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKRVPEKCDK 245
183 LTSQVTFEPVAVLQSSGLYSLSVTVVSSSLGTQTYICNVNHNKPSNTKVDKRVPEKCDK 242
246 THTPCPCAPABELGGBSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMVYDGV 305
243 THTPCPCAPABELGGBSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFMVYDGV 302
306 EVHNAKTRPREQYNSTYRVSVVLTVLHODWLNKKEYCKVSNKALPAPIEKTISKAKGQ 365
303 EVHNAKTRPREQYNSTYRVSVVLTVLHODWLNKKEYCKVSNKALPAPIEKTISKAKGQ 362
366 PREPVYTLPEPSREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDG 425
363 PREPVYTLPEPSREMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPVLDSDG 422
426 SFFLYSKLTVDKSRMOQGVFSCSVMEHALNHYTOKSLISLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTOKSLSLSPGK 467

RESULT 11

US-09-485-737B-90

Sequence 90, Application US/09485737B

Patent No. 6350860

GENERAL INFORMATION:

APPLICANT: Buysse, Marie-Ange

APPLICANT: Sablon, Edwin

TITLE OF INVENTION: INTERPERSON-GAMMA-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

FILE REFERENCE: INNS: 015

CURRENT APPLICATION NUMBER: US/09/485,737B

PRIOR APPLICATION NUMBER: PCT/EP 98/05165

PRIOR FILING DATE: 1998-08-14

PRIOR APPLICATION NUMBER: EPO 98870139.7

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: EPO 97870122.5

PRIOR FILING DATE: 1997-08-18

NUMBER OF SEQ ID NOS: 104

SOFTWARE: Patent version 3.0

SEQ ID NO 90

LENGTH: 711

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.5%; Score 2177; DB 4; Length 711;

Best Local Similarity 88.2%; Pred. No. 9.6e-156;

Matches 410; Conservative 20; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATATGSHVQOVOLVOSGAEVKKPKGASVKKVSCKASGTYFTSYMMQWYKQAPGGLB 65

Db 7 IFSPLLSASVYLSQVQVVGSGSELKKGASVKISCKASGTYFTFDYGNMWWYKQAPGGLK 66

Qy 66 WNGEIDPSDSTYNNQKFKGATTTVDSTSTAYMELSLRSEPTAVYYCARNDYSNNW 125

Db 67 WMGWINTYTGESTYVDVDFKGRFVFLSDTSVSAAYLQISLKAEDTATYFCARRGFYA--- 123

Qy 126 YFDVWGGTLVTVSSASTKPSVFPPIAPSSKTSGGTALGCLVQDYFPEPVTVSMNSGA 185

Db 124 -MDTWGQGITVTVSSASTKPSVFPPIAPSSKTSGGTALGCLVQDYFPEPVTVSMNSGA 182

Qy 186 LTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKREVPKSCDK 245

Db 183 LTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKREVPKSCDK 242

Qy 246 THTCPCPAPPELLCGPSVFLFPKPKDTLMSRTPEVTQVVDVSHEDPEYKFNWYVDGV 305

Db 243 THTCPCPAPPELLCGPSVFLFPKPKDTLMSRTPEVTQVVDVSHEDPEYKFNWYVDGV 302

Qy 306 EVNNAKTRPREQVNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTSKAGQ 365

Db 303 EVNNAKTRPREQVNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTSKAGQ 362

Qy 366 PREPOVTVLPSSREEMTKNOVSLTCLVGFYPSDIAVWESNGOPENNYYKTPPVLDSDG 425

Db 363 PREPOVTVLPSSREEMTKNOVSLTCLVGFYPSDIAVWESNGOPENNYYKTPPVLDSDG 422

Qy 426 SFPLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTOKSLSLSPGK 470

Db 423 SFPLYSKLTVDKSRWQGNVFSCSVMHEALHNHYTOKSLSLSPGK 467

RESULT 12

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatlin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/934,373C

FILING DATE: 21-Aug-1992

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05126

FILING DATE: 15-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-07-934-373C-22

Query Match 85.8%; Score 2159.5; DB 2; Length 454;

Best Local Similarity 89.2%; Pred. No. 1.1e-154;

Matches 405; Conservative 18; Mismatches 28; Indels 3; Gaps 1;

Qy 20 QVQLVQSGAEVKKRQGGASVKKVSCKASGTYFTSYMMQWYKQAPGGLBEMGELIDPSDSTNY 79

Db 1 QVQLVQSGAEVKKRQGGASVKKVSCKASGTYFTSYMMQWYKQAPGGLBEMGELIDPSDSTNY 79

Qy 80 NQKFKGATTTVDSTSTAYMELSLRSEPTAVYYCARNDYSNNW---YFDVWGGTLV 136

Db 61 NQKFKGATTTVDSTSTAYMELSLRSEPTAVYYCARNDYSNNW---YFDVWGGTLV 120

Qy 137 TVSSASTKPSVFPPIAPSSKTSGGTALGCLVQDYFPEPVTVSMNSGALTSVHTPEAV 196

Db 121 TVSSASTKPSVFPPIAPSSKTSGGTALGCLVQDYFPEPVTVSMNSGALTSVHTPEAV 180

Qy 197 LQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKREVPKSCDKTHTCPCPAPPE 256

Db 181 LQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSPNTKVDKREVPKSCDKTHTCPCPAPPE 240

Qy 257 ILGGPSVFLFPKPKDTLMSRTPEVTQVVDVSHEDPEYKFNWYVDGVEVNAKTRPRE 316

Db 241 ILGGPSVFLFPKPKDTLMSRTPEVTQVVDVSHEDPEYKFNWYVDGVEVNAKTRPRE 300

Qy 317 EQYNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTSKAGQPREPOVTVLP 376

Db 301 EQYNSTYRVSVLTVLHQMNLNGEKYCKVSNKALPAPIEKTSKAGQPREPOVTVLP 360

Qy 377 SREEMTKNOVSLTCLVGFYPSDIAVWESNGOPENNYYKTPPVLDSDGSFPLYSKLTVD 436

Db 361 SREEMTKNOVSLTCLVGFYPSDIAVWESNGOPENNYYKTPPVLDSDGSFPLYSKLTVD 420

Qy 437 KSRWQGNVFSCSVMHEALHNHYTOKSLSLSPGK 470

Db 421 KSRWQGNVFSQSVMEALHNHYTKSLSPGK 454

RESULT 13
US-08-437-642B-22
Sequence 22, Application US/08437642B
Patent No. 6054297

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/437, 642B

FILING DATE: 09-May-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/934373

FILING DATE: 21-AUG-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/146206

FILING DATE: 17-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05126

FILING DATE: 15-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P2C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/952-9881

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-437-642B-22

US-08-437-642B-22

US-08-437-642B-22

US-08-437-642B-22

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US-08-437-642B-22

US-08-437-642B-22

QY 137 TVSSASTKGPVPLAPSSKSTSGTAAAGCLVXDYFPEPVTVSNNGALTSGVHTFPAY 196
Db 121 TVSSASTKGPVPLAPSSKSTSGTAAAGCLVXDYFPEPVTVSNNGALTSGVHTFPAY 180
QY 197 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSNTKVDKVEPKSCDKHTCPCPAPE 256
Db 181 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSNTKVDKVEPKSCDKHTCPCPAPE 240
QY 257 LLGGPSVFLPPKPKDMLMISRTPEVTCVVDVSHEDBEVKFNMYVDGVEVHNAKTKPRE 316
Db 241 LLGGPSVFLPPKPKDMLMISRTPEVTCVVDVSHEDBEVKFNMYVDGVEVHNAKTKPRE 300
QY 317 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 376
Db 301 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 360
QY 377 SREEMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 436
Db 361 SREEMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 420
QY 437 KSRMOQGVFSCSVMHGALHNHYTQKSLSLSPGK 470
Db 421 KSRMOQGVFSCSVMHGALHNHYTQKSLSLSPGK 454

RESULT 15

PCT-US93-07832-22
Sequence 22, Application PC/TUS9307832
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/07832
FILING DATE: 19930820
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 709P2PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US93-07832-22

Query Match 85.8%; Score 2159.5; DB 5; Length 454;

Best Local Similarity 89.2%; Pred. No. 1,16-154;
Matches 405; Conservative 18; Mismatches 28; Indels 3; Gaps 1;
QY 20 QVQLVQSGAEVYKRRGASVYKUSCKASGVTFTSYNNQWQKQAQGLLEMMGELDPSDSYIN 79
Db 1 QVQLVQSGAEVYKRRGASVYKUSCKASGVTFTSYNNQWQKQAQGLLEMMGELDPSDSYIN 60
QY 80 NQKFKRATITVDPSTSTAYVIELSLRSEDPYAVYCARNDYSNW--YFDVWQGGTLV 136
Db 61 NQKFKRATITVDPSTSTAYVIELSLRSEDPYAVYCARNDYSNW--YFDVWQGGTLV 120
QY 137 TVSSASTKGPVPLAPSSKSTSGTAAAGCLVXDYFPEPVTVSNNGALTSGVHTFPAY 196
Db 121 TVSSASTKGPVPLAPSSKSTSGTAAAGCLVXDYFPEPVTVSNNGALTSGVHTFPAY 180
QY 197 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSNTKVDKVEPKSCDKHTCPCPAPE 256
Db 181 LQSSGLVSLSSVTVPPSSSLGTQYICVNNHKPSNTKVDKVEPKSCDKHTCPCPAPE 240
QY 257 LLGGPSVFLPPKPKDMLMISRTPEVTCVVDVSHEDBEVKFNMYVDGVEVHNAKTKPRE 316
Db 241 LLGGPSVFLPPKPKDMLMISRTPEVTCVVDVSHEDBEVKFNMYVDGVEVHNAKTKPRE 300
QY 317 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 376
Db 301 EQNSTYRVSVLTVLHODWLNKGEYKCKVSNKALPAPIEKTISKAKQPREPOVYTLPP 360
QY 377 SREEMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 436
Db 361 SREEMTKNQVSLTCLVKGFPYSDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTV 420
QY 437 KSRMOQGVFSCSVMHGALHNHYTQKSLSLSPGK 470
Db 421 KSRMOQGVFSCSVMHGALHNHYTQKSLSLSPGK 454

Search completed: February 20, 2004, 13:35:10
Job time: 16.5872 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds

(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-145

Perfect score: 2517
Sequence: 1 MGNSCILFLVATATGVHSG.....MHEALHNYQKSLISLSPGK 470

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubppa/PCr_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubppa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubppa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubppa/PCrUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubppa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubppa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubppa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubppa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubppa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubppa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubppa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubppa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2517	100.0	470	US-10-384-933-145	Sequence 145, App
2	2517	100.0	470	US-10-216-484-145	Sequence 145, App
3	2515	99.9	470	US-10-384-933-143	Sequence 143, App
4	2515	99.9	470	US-10-216-484-143	Sequence 143, App
5	2512	99.8	470	US-10-384-933-117	Sequence 117, App
6	2512	99.8	470	US-10-384-933-147	Sequence 147, App
7	2512	99.8	470	US-10-216-484-117	Sequence 117, App
8	2512	99.8	470	US-10-216-484-147	Sequence 147, App
9	2499	99.3	470	US-10-384-933-89	Sequence 89, App1
10	2499	99.3	470	US-10-216-484-89	Sequence 89, App1
11	2497	99.2	470	US-10-384-933-157	Sequence 157, App
12	2497	99.2	470	US-10-216-484-157	Sequence 157, App
13	2348.5	93.3	741	US-09-825-012-46	Sequence 46, App1
14	2348.5	93.3	741	US-09-825-012-55	Sequence 55, App1
15	2343.5	93.1	729	US-09-825-012-52	Sequence 52, App1

16	2343.5	93.1	739	10	US-09-825-012-61	Sequence 61, App1
17	2337.5	92.9	730	10	US-09-825-012-49	Sequence 49, App1
18	2337.5	92.9	740	10	US-09-825-012-58	Sequence 58, App1
19	2288.5	90.9	469	12	US-10-377-121-18	Sequence 18, App1
20	2283.5	90.7	469	12	US-10-377-121-22	Sequence 22, App1
21	2266	90.0	476	12	US-10-225-108A-16	Sequence 16, App1
22	2266	90.0	476	12	US-10-461-148-9	Sequence 9, App1
23	2257.5	89.7	467	12	US-10-353-708-41	Sequence 41, App1
24	2257.5	89.7	467	12	US-10-353-708-47	Sequence 47, App1
25	2257.5	89.7	467	12	US-10-353-708-59	Sequence 59, App1
26	2257.5	89.7	467	15	US-10-171-452A-41	Sequence 41, App1
27	2257.5	89.7	467	15	US-10-171-452A-47	Sequence 47, App1
28	2257.5	89.7	467	15	US-10-171-452A-59	Sequence 59, App1
29	2254.5	89.6	467	12	US-10-353-708-53	Sequence 53, App1
30	2254.5	89.6	467	15	US-10-171-452A-53	Sequence 53, App1
31	2254	89.6	476	10	US-09-747-669-3	Sequence 3, App1
32	2254	89.6	476	15	US-10-290-703-3	Sequence 3, App1
33	2253	89.5	472	12	US-10-159-006-43	Sequence 43, App1
34	2236.5	88.9	448	12	US-10-378-567-2	Sequence 2, App1
35	2237.5	88.5	489	12	US-10-104-047-3329	Sequence 3329, App
36	2226	88.4	476	12	US-10-409-938-15	Sequence 15, App1
37	2224.5	88.4	448	12	US-10-353-708-48	Sequence 48, App1
38	2224.5	88.4	448	12	US-10-353-708-60	Sequence 60, App1
39	2224.5	88.4	448	15	US-10-171-452A-60	Sequence 48, App1
40	2224.5	88.4	448	15	US-10-171-452A-60	Sequence 60, App1
41	2221.5	88.3	448	12	US-10-353-708-42	Sequence 42, App1
42	2221.5	88.3	448	12	US-10-353-708-54	Sequence 54, App1
43	2221.5	88.3	448	15	US-10-171-452A-42	Sequence 42, App1
44	2221.5	88.3	448	15	US-10-171-452A-54	Sequence 54, App1
45	2211.5	87.9	477	12	US-10-108-260A-4289	Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
; GENE INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384, 933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145
Query Match 100.0%; Score 2517; DB 12; Length 470;
Best Local Similarity 100.0%; Pred. No. 5.2e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 MGNSCILFLVATATGVHSGVQVQSGABVKKPASPASVYVSCKASGYTFTSYMMQVKAAP 60
Db 1 MGNSCILFLVATATGVHSGVQVQSGABVKKPASPASVYVSCKASGYTFTSYMMQVKAAP 60
Cy 61 GGGLEMMGEIDPSDSTYNNQKFKGATITVDTSSTAYMELSLRSEDIAVYVCAARRD 120
Db 61 GGGLEMMGEIDPSDSTYNNQKFKGATITVDTSSTAYMELSLRSEDIAVYVCAARRD 120

Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDYAVYYCANRD 120
Qy 121 YSNMWFVWQGLTVTVSSASTKGPVFPPLAPSSKSTGGTAALGCLVXDYPPEPVVS 180
Db 121 YSNMWFVWQGLTVTVSSASTKGPVFPPLAPSSKSTGGTAALGCLVXDYPPEPVVS 180
Qy 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVVPPSSLSGTQYIICNVNHPKSTKVDKVEP 240
Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVVPPSSLSGTQYIICNVNHPKSTKVDKVEP 240
Qy 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKTPREEQYNSTRVSVLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 360
Db 301 YVDGEVHNATKTPREEQYNSTRVSVLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 360
Qy 361 KAKQPREPQVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPQVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Qy 421 LDSGSPFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKSLSPGK 470

RESULT 2

US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216, 484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 5.2e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
Db 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDYAVYYCANRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDYAVYYCANRD 120
Qy 121 YSNMWFVWQGLTVTVSSASTKGPVFPPLAPSSKSTGGTAALGCLVXDYPPEPVVS 180
Db 121 YSNMWFVWQGLTVTVSSASTKGPVFPPLAPSSKSTGGTAALGCLVXDYPPEPVVS 180
Qy 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVVPPSSLSGTQYIICNVNHPKSTKVDKVEP 240
Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVVPPSSLSGTQYIICNVNHPKSTKVDKVEP 240

Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVVPPSSLSGTQYIICNVNHPKSTKVDKVEP 240
Qy 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKTPREEQYNSTRVSVLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 360
Db 301 YVDGEVHNATKTPREEQYNSTRVSVLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 360
Qy 361 KAKQPREPQVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Db 361 KAKQPREPQVYTLPPREEMTKNQVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 420
Qy 421 LDSGSPFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRWQGNVFCSCVMHEALHNHYTKSLSPGK 470

RESULT 3

US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuo
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 99.9%; Score 2515; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.1e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
Db 1 MGNMCIILFLVATATGHSQVQLVQSGAEVKKPGASVYSCKASGYTFTSYMMQWVQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDYAVYYCANRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATITVDTSTAYMELSLRSEDYAVYYCANRD 120
Qy 121 YSNMWFVWQGLTVTVSSASTKGPVFPPLAPSSKSTGGTAALGCLVXDYPPEPVVS 180
Db 121 YSNMWFVWQGLTVTVSSASTKGPVFPPLAPSSKSTGGTAALGCLVXDYPPEPVVS 180
Qy 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVVPPSSLSGTQYIICNVNHPKSTKVDKVEP 240
Db 181 WNSGALTSVGHTFPAVLQSSGLYSLSVTVVPPSSLSGTQYIICNVNHPKSTKVDKVEP 240
Qy 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGSPVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGEVHNATKTPREEQYNSTRVSVLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 360
Db 301 YVDGEVHNATKTPREEQYNSTRVSVLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPV 360

Db 301 YVDGEVHNKTKRREOYNSTRVSVLTVLHODMNLGKCKVSKNKPAPLEKTIIS 360
QY 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470

RESULT 4
US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match 99.9%; Score 2515; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 7.1e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MGMSCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
Db 1 MGMSCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNOKFKGKATITVDISTSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GQGLEMMGEIDPSSTYNNOKFKGKATITVDISTSTAYMELSLRSEDTAVYYCARNRD 120
QY 121 YSNMWYDWMGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALAGCLVKDYFPEPTVVS 180
Db 121 YSNMWYDWMGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALAGCLVKDYFPEPTVVS 180
QY 121 YSNMWYDWMGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALAGCLVKDYFPEPTVVS 180
Db 121 YSNMWYDWMGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALAGCLVKDYFPEPTVVS 180
QY 181 MNSGALTSVHTPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
Db 181 MNSGALTSVHTPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNKTKRREOYNSTRVSVLTVLHODMNLGKCKVSKNKPAPLEKTIIS 360
Db 301 YVDGEVHNKTKRREOYNSTRVSVLTVLHODMNLGKCKVSKNKPAPLEKTIIS 360
QY 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470

Db 421 LDSGSEFLLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
RESULT 5
US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117

Query Match 99.8%; Score 2512; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 MGMSCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
Db 1 MGMSCIILFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPSSTYNNOKFKGKATITVDISTSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GQGLEMMGEIDPSSTYNNOKFKGKATITVDISTSTAYMELSLRSEDTAVYYCARNRD 120
QY 121 YSNMWYDWMGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALAGCLVKDYFPEPTVVS 180
Db 121 YSNMWYDWMGQGLTVVSSASTGSPVFLPAPSCKSTSGGTALAGCLVKDYFPEPTVVS 180
QY 181 MNSGALTSVHTPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
Db 181 MNSGALTSVHTPFAVLQSSGLYSLSVTVTPSSSLGTQYICVNNHKPSNTKYDKVERP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTCPCPAPPELLGGPSVFLPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNKTKRREOYNSTRVSVLTVLHODMNLGKCKVSKNKPAPLEKTIIS 360
Db 301 YVDGEVHNKTKRREOYNSTRVSVLTVLHODMNLGKCKVSKNKPAPLEKTIIS 360
QY 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSRBEETKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRWQOGNVFSCSVHHEALHNHYTOKSLSLSPGK 470
RESULT 6
US-10-384-933-147
; Sequence 147, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2003-02-05
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-147

Query Match 99.8%; Score 2512; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCITLFLVATATGVHSQVQLVQSGAEYKKPGASVYVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGSCITLFLVATATGVHSQVQLVQSGAEYKKPGASVYVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDSTSTAYMELSLRSEDTAIVYCAARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDSTSTAYMELSLRSEDTAIVYCAARNRD 120
QY 121 YSNMYFDVWGQGLTVVTSASTKGPVFLPAPSKTSKSGTALGCLVNDYFPEPTVS 180
DB 121 YSNMYFDVWGQGLTVVTSASTKGPVFLPAPSKTSKSGTALGCLVNDYFPEPTVS 180
QY 181 WNSGALTSVHTFPALVQSSGLYSLSVTVPSSSLGQTQYICNVNHPKSTKVDKKEVP 240
DB 181 WNSGALTSVHTFPALVQSSGLYSLSVTVPSSSLGQTQYICNVNHPKSTKVDKKEVP 240
QY 241 KSCDKHTCPCPAPPELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKRREQYNSTRVSVLTFLHODMNLGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKRREQYNSTRVSVLTFLHODMNLGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDDSGSFYLSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470
DB 421 LDDSGSFYLSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470

RESULT 7
US-10-216-484-117
Sequence 117, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-117

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCITLFLVATATGVHSQVQLVQSGAEYKKPGASVYVSCKASGYTFTSYMMQWVKQAP 60
DB 1 MGSCITLFLVATATGVHSQVQLVQSGAEYKKPGASVYVSCKASGYTFTSYMMQWVKQAP 60
QY 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDSTSTAYMELSLRSEDTAIVYCAARNRD 120
DB 61 GQGLEMMGEIDPSISYNNQKFKGKATITVDSTSTAYMELSLRSEDTAIVYCAARNRD 120
QY 121 YSNMYFDVWGQGLTVVTSASTKGPVFLPAPSKTSKSGTALGCLVNDYFPEPTVS 180
DB 121 YSNMYFDVWGQGLTVVTSASTKGPVFLPAPSKTSKSGTALGCLVNDYFPEPTVS 180
QY 181 WNSGALTSVHTFPALVQSSGLYSLSVTVPSSSLGQTQYICNVNHPKSTKVDKKEVP 240
DB 181 WNSGALTSVHTFPALVQSSGLYSLSVTVPSSSLGQTQYICNVNHPKSTKVDKKEVP 240
QY 241 KSCDKHTCPCPAPPELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCPCPAPPELLGSPVFLPPPKPDITLMISRTPEVTCVVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKRREQYNSTRVSVLTFLHODMNLGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKRREQYNSTRVSVLTFLHODMNLGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPOVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDDSGSFYLSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470
DB 421 LDDSGSFYLSKLTVDKSRWQGVFSCSYVMEHALHNHYTQKSLISLSPGK 470

RESULT 8
US-10-216-484-147
Sequence 147, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-147

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1.2e-165;
Matches 466; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVQAP 60
DB 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYVCARRD 120
DB 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYVCARRD 120
QY 121 YSNMWYDVMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
DB 121 YSNMWYDVMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
QY 181 MNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSTKVDKVEP 240
DB 181 MNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSTKVDKVEP 240
QY 241 KSCDKHTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPPV 420
DB 361 KAKQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSCVMEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSCVMEALHNHYTQKSLSLSPGK 470

RESULT 9
US-10-384-933-89
Sequence 89, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 89

LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: Chain of humanized anti-Pas antibody
US-10-384-933-89

Query Match 99.3%; Score 2499; DB 12; Length 470;

Best Local Similarity 99.1%; Pred. No. 9.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVQAP 60
DB 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYVCARRD 120
DB 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYVCARRD 120
QY 121 YSNMWYDVMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
DB 121 YSNMWYDVMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
QY 181 MNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSTKVDKVEP 240
DB 181 MNSGALTSVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSTKVDKVEP 240
QY 241 KSCDKHTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTCCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKREDOYSTYRVSVLTLYHODMNLGKRYKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPPV 420
DB 361 KAKQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEMESNGOPENNYKTTPPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSCVMEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSCVMEALHNHYTQKSLSLSPGK 470

RESULT 10
US-10-216-484-89
Sequence 89, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 89
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: Chain of humanized anti-Pas antibody
US-10-216-484-89

Query Match 99.3%; Score 2499; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 9.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVQAP 60
DB 1 MGMSCTLLFLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSSTYNNOKFKGKATITVDSTSTAYMELSLRSEDPAVYVCARRD 120

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Db 61 GORLEMMGEIDPSSTYNQKFKGKATLTVDTSTASTAYMELSLRSEDIAVYVCARNRD 120
Qy 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYFPEPVVS 180
Db 121 YSNMWYDWMGEGTLVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSNTKVDKVEP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELIGPVSFLFPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELIGPVSFLFPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPV 420
Db 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSVNHEALHNHYTQKSLSLSPGK 470
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RESULT 11

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US-10-384-933-157
; Sequence 157, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157
```

Query Match 99.2%; Score 2497; DB 12; Length 470;
Best local similarity 98.9%; Pred. No. 1.3e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCAKSGYFTSYMQMVAQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCAKSGYFTSYMQMVAQAP 60
Qy 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDSTSTAYMELSLRSEDIAVYVCARNRD 120
Db 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDSTSTAYMELSLRSEDIAVYVCARNRD 120
Qy 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYFPEPVVS 180
Db 121 YSNMWYDWMGEGTLVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSNTKVDKVEP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSNTKVDKVEP 240
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Db 181 WNSGALTSVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELIGPVSFLFPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELIGPVSFLFPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPV 420
Db 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTPPV 420
Qy 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRMOQGNVFCSVNHEALHNHYTQKSLSLSPGK 470
```

RESULT 12

```
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157
```

Query Match 99.2%; Score 2497; DB 15; Length 470;
Best local similarity 98.9%; Pred. No. 1.3e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCAKSGYFTSYMQMVAQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKSCAKSGYFTSYMQMVAQAP 60
Qy 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDSTSTAYMELSLRSEDIAVYVCARNRD 120
Db 61 GQGLEMMGEIDPSSTYNQKFKGKATITVDSTSTAYMELSLRSEDIAVYVCARNRD 120
Qy 121 YSNMWYDWMGQGLTVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYFPEPVVS 180
Db 121 YSNMWYDWMGEGTLVYSSASTKGPVSFPLAPSSKSGGTAALGCLVXDYFPEPVVS 180
Qy 181 WNSGALTSVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSNTKVDKVEP 240
Db 181 WNSGALTSVHTFPAVLQSSGLYSLSSVTVVPSSSLGTQTYICNVNHPKSNTKVDKVEP 240
Qy 241 KSCDKHTCPCPAPELIGPVSFLFPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFNW 300
Db 241 KSCDKHTCPCPAPELIGPVSFLFPKPKDTLMTSRTEPVTCVVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTIS 360
```


Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 360
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 420
Qy 421 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 470

RESULT 13

US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patent version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
US-09-825-012-46

Query Match 93.3%; Score 2348.5; DB 10; Length 731;
Best Local Similarity 93.0%; Pred. No. 3.9e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

Qy 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVSCSKAGYTFSTYMWQVKAOP 60
Db 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVSCSKAGYTFSAVIMWVKAOP 60
Qy 61 GQGLEWGEILDPSSSYNNYQKEKGAITVDSTSTANWELSLRSEDAVYVCARSYD 120
Db 61 GQGLEWGEILDPSSSYNNYQKEKGAITVDSTSTANWELSLRSEDAVYVCARSYD 120
Qy 121 YSNMWYDVWGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Db 121 YSNMWYDVWGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Qy 121 PA--WFAVYMGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 177
Db 121 PA--WFAVYMGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 177
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 240
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 240
Qy 178 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 237
Db 178 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 237
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 300
Qy 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 297
Db 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 297
Qy 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 360
Qy 298 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 357
Db 298 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 357
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 420
Qy 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 417
Db 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 417
Qy 421 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 470
Qy 418 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 467
Db 418 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 467

RESULT 14

US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Patent version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
US-09-825-012-55

Query Match 93.3%; Score 2348.5; DB 10; Length 741;
Best Local Similarity 93.0%; Pred. No. 4e-154;
Matches 437; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

Qy 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVSCSKAGYTFSTYMWQVKAOP 60
Db 1 MGMSCIILFLVATATGHSOVOLVQSGAEVKKPGASVYVSCSKAGYTFSAVIMWVKAOP 60
Qy 61 GQGLEWGEILDPSSSYNNYQKEKGAITVDSTSTANWELSLRSEDAVYVCARSYD 120
Db 61 GQGLEWGEILDPSSSYNNYQKEKGAITVDSTSTANWELSLRSEDAVYVCARSYD 120
Qy 121 YSNMWYDVWGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Db 121 YSNMWYDVWGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 180
Qy 121 PA--WFAVYMGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 177
Db 121 PA--WFAVYMGQGLTVVSSASTKGPVFLPAPSSKSTSGGTAALGCLVNDYFPEPTVS 177
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 240
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 240
Qy 178 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 237
Db 178 WNSGALTSVHTPFAVLQSSGLYSLSSVTVTPSSSLGTQYICNVNHPKSTKYDKVEP 237
Qy 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 300
Db 241 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 300
Qy 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 297
Db 238 KSCDKHTPCPCPAPELLGGPSVFLPPKPDITMISRTEPVTCVVDVSHEDDEVKFNW 297
Qy 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 360
Db 301 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 360
Qy 298 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 357
Db 298 YVDGEVHNAKTKREBOYNSTRVSVLTVLHODMLNGKEKCKVSNKALPAIEKTIIS 357
Qy 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 420
Qy 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 417
Db 358 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPSYSDIAVWESNGQEPNNYKTTTPV 417
Qy 421 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 470
Qy 418 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 467
Db 418 LDDSGSFFLYSKLTVDKSRWQOGNVFSCSVWHEALHNNHYTKSLSPGK 467

RESULT 15

US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFGL heavy chain - DNase I fusion
US-09-825-012-52

Query Match 93.1%; Score 2343.5; DB 10; Length 729;

Best Local Similarity 93.0%; Pred.No. 8.6e-154;
Matches 436; Conservative 20; Mismatches 10; Indels 3; Gaps 1;

QY 1 MGWSCIILFLVATATGVSQVQLVQSGAEVKKPGASVVSCKASGCTFTSYMMQMVKQAP 60
DB 1 MGWSCIILFLVATATGVSQVQLVQSGAEVKKPGASVVSCKASGCTFTSYMMQMVKQAP 60
QY 61 GQGLEWMGEIDPDSYTYNOKFKGKATITVDTSSTAYMELSLRSEDTAVYYCARNRD 120
DB 61 GKGLEWMGEIDPDSYTYNOKFKGKATITVDTSSTAYMELSLRSEDTAVYYCARNRD 120
QY 121 YSNMWPDPWGQGLTVYSASTKGPSYFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
DB 121 YSNMWPDPWGQGLTVYSASTKGPSYFPLAPSSKSTSGGTALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSQVHTFPAVLQSSGLYSLSVYTPSSSLGTQTYICNVNHRKPSNTKVDKRYEP 240
DB 178 WNSGALTSQVHTFPAVLQSSGLYSLSVYTPSSSLGTQTYICNVNHRKPSNTKVDKRYEP 237
QY 241 KSCDKHTCPCPAPAELEGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENW 300
DB 238 KSCDKHTCPCPAPAELEGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKENW 297
QY 301 YVDGEVYHNAKTKREBEQYNSITRVSVLTALHQMPLNGKEYKCKVSNKALPAPIEKTIS 360
DB 298 YVDGEVYHNAKTKREBEQYNSITRVSVLTALHQMPLNGKEYKCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPRPPOVYTLPPSRHEMTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPV 420
DB 358 KAKGQPRPPOVYTLPPSRHEMTKNOVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPV 417
QY 421 LDSDSFPLYSKLTVDKSRMQQGNVFCSCVMHREALHNHYTQKSLSLSPG 469
DB 418 LDSDSFPLYSKLTVDKSRMQQGNVFCSCVMHREALHNHYTQKSLSLSPG 466

Search completed: February 20, 2004, 14:25:39
Job time : 36.6422 secs

Qy	298	INMYIDGVEYHNAKTKPRBEQYNSTYRVSVLTVLHQDMLNGEYKCYKSNKLPAPIEK	357
Db	300	FNMYIDGVEYHNAKTKPRBEQYNSTYRVSVLTVLHQDMLNGEYKCYKSNKLPAPIEK	359
Qy	358	TISKAGQREPOVYTLPPSRSEMTKNQVSLTCLVGFYPSDIAVEMESNGQENNYKTT	417
Db	360	TISKAGQREPOVYTLPPSRSEMTKNQVSLTCLVGFYPSDIAVEMESNGQENNYKTT	419
Qy	418	PPVLDSDSFFLYSKLTVDKSRWQGNVSCSYMHEALNNHYTQKSLSLSPGK	470
Db	420	PPVLDSDSFFLYSKLTVDKSRWQGNVSCSYMHEALNNHYTQKSLSLSPGK	472

RESULT 2

```

Sequence 13 Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIB/IIIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FLING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FLING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

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Query Match	88.8%	Score 2235	DB 1	Length 449
Best Local Similarity	93.3%	Pred. No. 5.2e-160		
Matches 421; Conservative	13	Mismatches 15	Indels 2	Gaps 2

Qy 20 QVQLVDSGAEVKKPKGASVKISCKASGYTFTLSWMQWVRQAQPGGLBNNGEIDPSDSTNY 79

Db 1 QVQLVQSGAEVKKPGSSVANSCKRSGIAFTNTLLIEWHQA.PGGGLEWIGVTPSSGGIN 60

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Db      61 NEKFKGRITLYVDESTNTATMELSSLRSEDTAVVFCAR-RDNGYGM-FAYMGCTLVVYS 118
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140 SASTGSPVPLAPSSKSTSGTAAIGCLVKDYFPEPVTVSNNGALTSGVHTFPAYLOS 199

Db	119	SABTKBSPVPLAPASKSTSGTALACLVMDPPEPTVSMNSGALTSGVHFPALQS	178
QY	200	SGLYSLSSVYTPSSSLGTYTICVNMHKPSNTKYDKVEBKSGDKHTHOPCPAPBLG	259
Db	179	SGLYSLSSVYTPSSSLGTYTICVNMHKPSNTKYDKVEBKSGDKHTHOPCPAPBLG	238
QY	260	GPSVFLFPPEPKDITLMSRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTRPREQY	319
Db	239	GPSVFLFPPEPKDITLMSRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTRPREQY	298
QY	320	NSYTRVAVSYLTALHQMVGKEKKYKCKVSNKALPAIEKTIISKAGQPREPOVYTLPSRE	379
Db	299	NSYTRVAVSYLTALHQMVGKEKKYKCKVSNKALPAIEKTIISKAGQPREPOVYTLPSRD	356
QY	380	EMTKNQVSLTCLVKGFPSDIAVEMESNQGPENNYKTPPVLDSDGSFELYSKLTVDKSR	439
Db	359	ELTKNQVSLTCLVKGFPSDIAVEMESNQGPENNYKTPPVLDSDGSFELYSKLTVDKSR	418
QY	440	MOGQNVFSCVMHEALHNHYTQKSISLSPGK	470
Db	419	MOGQNVFSCVMHEALHNHYTQKSISLSPGK	449

RESULT 3

```

, Sequence 10, Application US/08378933
, Patent No. 587661
,
, GENERAL INFORMATION:
,
, APPLICANT: CROME, JAMES SCOTT
, APPLICANT: LEWIS, ALAN PETER
, TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
,
, NUMBER OF SEQUENCES: 46
,
, CORRESPONDENCE ADDRESS:
,
, ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
, STREET: 555 THIRTEENTH ST. N.W.
, CITY: WASHINGTON
, STATE: D. C.
, COUNTRY: U.S.
,

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;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Floppy disk
;

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! OPERATING SYSTEM: PC-DOS/MS-DOS
! SOFTWARE: PatentIn Release #1.0, Version #1.25
! CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435

? PRIOR APPLICATION DATA: US 07/952640
 ? APPLICATION NUMBER: US 07/952640
 ? FILING DATE: 01-DEC-1992
 ? INVENTOR: INVENTOR

?
?
? ALIENEE/AGENT INFORMATION:
? NAME: ERNST, BARBARA G
? REGISTRATION NUMBER: 30,377
? NUMBER/DOTCOM NUMBER: 1808,118

REFERENCE/DOC#1 NUMBER: 2008-110
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
FAX: (202) 783-6031

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length: 76 amino acids
type: amino acid
topology: linear
mol prot. exp. state: n

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US-08-378-939-10

Query Match	88.7%;	Score 2233;	DB 2;	Length 476;
Best Local Similarity	88.7%;	Pred. No. 7.9e-160;		
Matches 423: Conservative	20;	Mismatches 28;	Indels 6;	Gaps 1

00 1 MGN5CIIIFLVATATGVH50VOLV0SGAEVKKPKGASVKNVSKKAGYTFSTYMMQNTY0AP 60

Db
1 MDHTWRFLFVVAALATGVQSOQVVGSGAEVKKPSSVTYVSCKASGTFESNAISWTRQAP 60

QY	61	GOGLEMMGEIPSDSDAYTNNOKEKGALTLVTSTATAWELSSLSSEDTAVYCAARR-	119
Db	61	GOGLEMMGGITPLRGTPTYSQNFQGRVYTTADKSTSTAMMELTSLASEDTAVYCATDRY	120
QY	120	-----DYSNNMYFDVWGQGLTVVTSASATKGPSVFPLAASSKSTSGGTAAAGCLVYDYP	174
Db	121	ROANFDRBARVCGFDMGQGLTVVTSASATKGPSVFPLAASSKSTSGTAAAGCLVYDYP	180
QY	175	EPVTVSNMSSGALITSGVHTPPALQSSGLXSLSSVTVVPSSIGTQYVICMWNHKBPNTRY	234
Db	181	EPVTVSNMSSGALITSGVHTPPALQSSGLXSLSSVTVVPSSIGTQYVICMWNHKBPNTRY	240
QY	235	DKRVEPKSCDKHTHTPCPCAPAFELGGPSVFPLPPPKEDOTLMTSRTEBVTCCVVVDVSHEDP	294
Db	241	DKRVEPKSCDKHTHTPCPCAPAFELGGPSVFPLPPPKEDOTLMTSRTEBVTCCVVVDVSHEDP	300
QY	295	EVKENMYVDGVEVHNAKTKPREBOYNSTYRVVSVLTVLHODMWLNGEKRYCKVSNKALIPAP	354
Db	301	EVKENMYVDGVEVHNAKTKPREBOYNSTYRVVSVLTVLHODMWLNGEKRYCKVSNKALIPAP	360
QY	355	IEKTSKAKGQPREREQVYTLPPSRREMTKNQVSLTCLVNGFYPSDTLAVENESGQEPENNY	414
Db	361	IEKTSKAKGQPREREQVYTLPPSRREMTKNQVSLTCLVNGFYPSDTLAVENESGQEPENNY	420
QY	415	KTPPEVLSDSGSFPLYYSKLTVDYKSRMQQGNVSCSYMHAEALNHNHYOKSLSLSPGK	470
Db	421	KTPPEVLSDSGSFPLYYSKLTVDYKSRMQQGNVSCSYMHAEALNHNHYOKSLSLSPGK	476

RESULT 4
US-09-049-672A-8
; Sequence 8, Application US/09049672A
; Patent No. 6135941

APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Tang, Y. Tom
 APPLICANT: Yue, Henry
 APPLICANT: Au-Yang, Janice
 APPLICANT: Corley, Neil C.
 APPLICANT: Guejler, Karl J.
 APPLICANT: Baughn, Mariah R.
 TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/049,672A
 FILING DATE: HERewith
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Cerrone, Michael C.
 REGISTRATION NUMBER: 39,132
 REFERENCE/DOCKET NUMBER: PF-0497 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 8:

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?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 467 amino acids
?      TYPE: amino acid
?      STRANDEDNESS: single
?      TOPOLOGY: linear
?      IMMEDIATE SOURCE:
?      LIBRARY: LINCJUT11
?      CLONE: 2747531
?
US-09-049-672A-8

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Query Match	87.6%;	Score 2205.5;	DB 3;	Length 467;
Best Local Similarity	89.4%;	Pred. No. 8.9e-158;		
Matches 415;	Conservative 18;	Mismatches 28;	Indels 3;	Gaps 1;

[illegible]

RESULT 5
US-09-027-449-71

Patent No. 6025158
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/027,449
FILING DATE: 20-Feb-1998

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1 CLASSIFICATION: 435
2 PRIOR APPLICATION DATA:
3 APPLICATION NUMBER: 60/074,330
4 FILING DATE: 22-Jan-1998
5 PRIOR APPLICATION NUMBER: 60/038,664
6 APPLICATION NUMBER: 60/038,664
7 FILING DATE: 21-Feb-1997
8 ATTORNEY/AGENT INFORMATION:
9 NAME: Love, Richard B.
10 REGISTRATION NUMBER: 34,659
11 REFERENCE/DOCKET NUMBER: P1085R3-2
12 TELECOMMUNICATION INFORMATION:
13 TELEPHONE: 650/225-5530
14 TELEFAX: 650/952-9881
15 INFORMATION FOR SEQ ID NO: 71:
16 SEQUENCE CHARACTERISTICS:
17 LENGTH: 452 amino acids
18 TYPE: Amino Acid
19 TOPOLOGY: Linear
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Query Match	87.5%	Score 2203.5;	DB 3;	Length 452;
Best Local Similarity	90.3%;	Pred. No. 1.2e-157;		
Matches 408;	Conservative 26;	Mismatches 17;	Indels 1;	Gaps 1.

[illegible]

RESULT 6
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leon, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-II-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco

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Query Match	87.5%	Score 2203.5;	DB 3;	Length 452;
Best Local Similarity	90.3%;	Pred. No. 1.2e-157;		
Matches 408; Conservative	26;	Mismatches 17;	Indels 1;	Gaps 1;

[illegible]

RESULT 7
 US-09-121-952A-71
 Sequence 71, Application US/09121952A
 Patent No. 6458355
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc., Haei, Vanessa
 APPLICANT: Koumnieis, Iphigenia
 APPLICANT: Leon, Steven R.
 APPLICANT: Presta, Leonard G.
 APPLICANT: Shahrokh, Zahra

APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.5%; Score 2203.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 1.2e-157;
Matches 408; Conservative 26; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVDSGAEYKRRGASVYKSCSKASGTFSTYMMQWFOAPGQGLEWMGELIDPSDSTNY 79
DB 1 EVQLVDSGGGLVQPGGSLRLSCAASGYSFSSHYMMWVQAQPGKLEWVGITDPSNGETTY 60
QY 80 NQKFKGATLTVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLTVTV 138
DB 61 NQKFKGATLTVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLTVTV 120
QY 139 SSASTKGPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGIYSLSSVTVSSSSIGTQTYICNVNHRKPSNTKVDKRVKPSGCDKTHTCPPCAPRL 258
DB 181 SSGIYSLSSVTVSSSSIGTQTYICNVNHRKPSNTKVDKRVKPSGCDKTHTCPPCAPRL 240
QY 259 GGPVLPFPKPKDTIMSRPEVTCVAVDVSHEDPEKPFMYVDGVVHNAKTRPREQ 318
DB 241 GGPVLPFPKPKDTIMSRPEVTCVAVDVSHEDPEKPFMYVDGVVHNAKTRPREQ 300
QY 319 YNSTYRVSVLTVLHODWLNKGYKCVSNKALPAPIKTISSKAGQPREQVTVLPPSR 378
DB 301 YNSTYRVSVLTVLHODWLNKGYKCVSNKALPAPIKTISSKAGQPREQVTVLPPSR 360
QY 379 EEMTKNOVSLTCLVKGFPSPDIAYVWESNGQPENNYKTTTPRYLSDSGFPLYSKLTVDKS 438
DB 361 EEMTKNOVSLTCLVKGFPSPDIAYVWESNGQPENNYKTTTPRYLSDSGFPLYSKLTVDKS 420
QY 439 RMQGNVPSGVMEALHNHTYQKSLSPGK 470

DB 421 RMQGNVPSGVMEALHNHTYQKSLSPGK 452

RESULT 8
US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hsei, Vanessa
APPLICANT: Koumellis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 87.5%; Score 2203.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 1.2e-157;
Matches 408; Conservative 26; Mismatches 17; Indels 1; Gaps 1;

QY 20 QVQLVDSGAEYKRRGASVYKSCSKASGTFSTYMMQWFOAPGQGLEWMGELIDPSDSTNY 79
DB 1 EVQLVDSGGGLVQPGGSLRLSCAASGYSFSSHYMMWVQAQPGKLEWVGITDPSNGETTY 60
QY 80 NQKFKGATLTVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLTVTV 138
DB 61 NQKFKGATLTVDSTSTAYMELSLRSEDTAVYYCAR-NRDYSNNWYFDVWGQGLTVTV 120
QY 139 SSASTKGPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 198
DB 121 SSASTKGPVPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ 180
QY 199 SSGIYSLSSVTVSSSSIGTQTYICNVNHRKPSNTKVDKRVKPSGCDKTHTCPPCAPRL 258

Db 181 SSGIYSLSSVTVVSSSLGTQTYICNVHMKSPNTKVKKVPKSCDKHTPCPAPBEL 240
Qy 259 GGBPVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFMWYDGVENHAKTKPREQ 318
Db 241 GGBPVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFMWYDGVENHAKTKPREQ 300
Qy 319 YNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSR 378
Db 301 YNSTYRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSR 360
Qy 379 EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPVLDSGSPFLYSKLTVDKS 438
Db 361 EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPVLDSGSPFLYSKLTVDKS 420
Qy 439 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
Db 421 RMOQGNVFCSCVMHEALHNHYTKSLSPGK 452

RESULT 9

US-09-301-593-30

Sequence 30, Application US/09301593A
Patent No. 645677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Cheea, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leeger, Olivier
APPLICANT: Saldana, Jose W.
APPLICANT: Rettig, Wolfgang J.
TITLE OF INVENTION: FAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301,593A
CURRENT FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086,049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match

Best Local Similarity 87.5%; Score 2203; DB 4; Length 472;
Best Local Similarity 88.2%; Pred. No. 1.4e-157;
Matches 417; Conservative 18; Mismatches 34; Indels 4; Gaps 2;

Qy 1 MGNACILFLVATATGVHSQVQVLOVSGAEVKKPKGASVVSCKASGYFTSYMMQWVQAP 60
Db 1 MGNMWFVFLFLISAGVLSVQVLOSGELVKGASVVSCKTRRYTETTHMVQSH 60
Qy 61 GGGLEMMGEIDPSDYTNVQKFKGKATLTVDSTSTAYMELSLRSEDTAVYVCARRN- 119
Db 61 GKSLEWFGGINPNNIGIRYNOKFKGRATLTGKSSSTAYMELRSLTSDSAVYVCARRI 120
Qy 120 --DYSNNWYDPDWQGLTVTVSSASTKGPVFPPLAPSSKSTSGTAALGCLVKDYFPEPV 177
Db 121 AYGDDEGHADMYQGTSTVTVSS--STKGPVFPPLAPSSKSTSGTAALGCLVKDYFPEPV 179
Qy 178 TVSNAGSLTSGVTFPFAVLQSSGLYSLSVTVVPSLSLGTQTYICNNHNRKSTKVDKR 237
Db 180 TVSNAGSLTSGVTFPFAVLQSSGLYSLSVTVVPSLSLGTQTYICNNHNRKSTKVDKR 239
Qy 238 VEPKSCDKHTPCPAPBELIGSPVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEVK 297
Db 240 VEPKSCDKHTPCPAPBELIGSPVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEVK 299
Qy 298 FNNYVDGEVHNAKTKPREQYNSTRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEK 357

Db 300 FNNYVDGEVHNAKTKPREQYNSTRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEK 359
Qy 358 TISKAKGQPREPQVYTLPPSR EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTT 417
Db 360 TISKAKGQPREPQVYTLPPSR EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTT 419
Qy 418 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 470
Db 420 PVLDSGSPFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 472

RESULT 10

US-09-485-737B-67

Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Buysse, Marie-Ange
APPLICANT: Sadlon, Erwin
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485,737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match

Best Local Similarity 86.4%; Score 2174; DB 4; Length 468;
Best Local Similarity 88.0%; Pred. No. 2.1e-155;
Matches 409; Conservative 21; Mismatches 31; Indels 4; Gaps 1;

Qy 6 1ILFLVATATGVHSQVQVLOVSGAEVKKPKGASVVSCKASGYFTSYMMQWVQAPGQGLE 65
Db 7 1IFSLISASVILISQVQVLOVSGSELKKRGASVVSCKASGYFTFDYGMWVQKAPGQGLK 66
Qy 66 WNGEIDPSDYTNVQKFKGKATLTVDSTSTAYMELSLRSEDTAVYVCARRNDYSNNW 125
Db 67 WNGWINTYTGESTYVDKFKRFPFSLDTSVSAAYLQISSLKABDTATYFCARRGQFYA--- 123
Qy 126 YFDVWQGGTLTVTVSSASTKGPVFPPLAPSSKSTSGTAALGCLVKDYFPEPVTVSNMGA 185
Db 124 -MDYWGQGTITVTVSSASTKGPVFPPLAPSSKSTSGTAALGCLVKDYFPEPVTVSNMGA 182
Qy 186 LTSGVHTFPAVLQSSGLYSLSVTVVPSLSLGTQTYICNNHNRKSTKVDKRVKPKSCDK 245
Db 183 LTSGVHTFPAVLQSSGLYSLSVTVVPSLSLGTQTYICNNHNRKSTKVDKRVKPKSCDK 242
Qy 246 THTCPAPABELIGSPVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFMWYDGV 305
Db 243 THTCPAPABELIGSPVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFMWYDGV 302
Qy 306 EVHNAKTKPREQYNSTRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQ 365
Db 303 EVHNAKTKPREQYNSTRVSVVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQ 362
Qy 366 PREPQVYTLPPSR EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPVLDSG 425
Db 363 PREPQVYTLPPSR EEMTKNOVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPVLDSG 422
Qy 426 SFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKSLSPGK 470

Db 423 SFLYSLKLTVDKSRMOQNVFSCSVMEHALHNHYTOKSLSPGK 467

RESULT 11

US-09-485-737B-90

Sequence 90, Application US/09485737B

Patent No. 6350860

GENERAL INFORMATION:

APPLICANT: Buysse, Marie-Ange

APPLICANT: Sablon, Erwin

TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS

FILE REFERENCE: INNS-015

CURRENT APPLICATION NUMBER: US/09/485, 737B

CURRENT FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: PCT/EP 98/05165

PRIOR FILING DATE: 1998-08-14

PRIOR APPLICATION NUMBER: EPO 98870139.7

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: EPO 97870122.5

PRIOR FILING DATE: 1997-08-18

NUMBER OF SEQ ID NOS: 104

SOFTWARE: Patent in version 3.0

SEQ ID NO 90

LENGTH: 711

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.4%; Score 2174; DB 4; Length 711;

Best Local Similarity 88.0%; Pred. No. 3.6e-155;

Matches 409; Conservative 21; Mismatches 31; Indels 4; Gaps 1;

Qy 6 IILFLVATAGVHSQVOLVOSGAEVKKPKGASVSKASGTYFTSYMMQWROAPGQGLE 65

Db 7 IIFSLIASVILSIVQVLVOSGSELKKPKGASVSKASGTYFTDYGNMVKQAPGQGLK 66

Qy 66 WNGEIDPSDSTYNNQKFKKATLTVDSTSTAYMELSLRSEDTAVYVCARRNDYSNNW 125

Db 67 WNGINITYGSESTVDVDFKGRFVPSLDTSVSAALQISLKAEDTATYFCARRGFYA-- 123

Qy 126 YFDVWGQGLTVTVSSASTKGPVFLPAPSSKTSGGTAALGCLVKDYPREPVTVSNMGA 185

Db 124 -MDYWGQGLTVTVSSASTKGPVFLPAPSSKTSGGTAALGCLVKDYPREPVTVSNMGA 182

Qy 186 LTSGVHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDK 245

Db 183 LTSGVHTFPAVLQSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDK 242

Qy 246 THTCPCPAPBELLGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGV 305

Db 243 THTCPCPAPBELLGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGV 302

Qy 306 EVNNAKTPREBOVNSTYRVVSVLTALHODWLNGKEYKCKVSNKALPAPIEKTISKAKG 365

Db 303 EVNNAKTPREBOVNSTYRVVSVLTALHODWLNGKEYKCKVSNKALPAPIEKTISKAKG 362

Qy 366 PREBOVTVLPSPREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDG 425

Db 363 PREBOVTVLPSPREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDG 422

Qy 426 SFLYSLKLTVDKSRMOQNVFSCSVMEHALHNHYTOKSLSPGK 470

Db 423 SFLYSLKLTVDKSRMOQNVFSCSVMEHALHNHYTOKSLSPGK 467

RESULT 12

US-09-301-593-18

Sequence 18, Application US/09301593A

Patent No. 6455677

GENERAL INFORMATION:

APPLICANT: Park, John E.

APPLICANT: Garin-Chees, Pilar

APPLICANT: Bamberger, Uwe

APPLICANT: Leger, Olivier

APPLICANT: Saldaña, Jose W.

TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility

FILE REFERENCE: 0652.1890001

CURRENT APPLICATION NUMBER: US/09/301,593A

CURRENT FILING DATE: 1999-04-29

EARLIER APPLICATION NUMBER: EP 98107925.4

EARLIER FILING DATE: 1998-04-30

EARLIER APPLICATION NUMBER: US 60/086,049

EARLIER FILING DATE: 1998-05-18

NUMBER OF SEQ ID NOS: 108

SOFTWARE: Patent in Ver. 2.0

SEQ ID NO 18

LENGTH: 453

TYPE: PRT

ORGANISM: Homo sapiens

US-09-301-593-18

Query Match 86.0%; Score 2163.5; DB 4; Length 453;

Best Local Similarity 90.1%; Pred. No. 1.2e-154;

Matches 408; Conservative 14; Mismatches 28; Indels 3; Gaps 1;

Qy 21 VOLVOSGAEVKKPKASVTVSKASGTYFTSYMMQWROAPGQGLEMMGEIDPSDSTYNN 80

Db 1 VOLQOSPELVKPKASVTVSKASGTYFTETTHIMVQSHGKSLMIWGINPNNGIDIPYN 60

Qy 81 QKFKKATLTVDSTSTAYMELSLRSEDTAVYVCARRNDYSNNMWFPVMQGLTVT 137

Db 61 QKFKGRATLVYKSSSTRAYMELSLRSEDSAVYVCARRIAYGDEBGMAMVMOGISTVT 120

Qy 138 VSSASTKGPVFLPAPSSKTSGGTAALGCLVKDYPREPVTVSNMGAALTSVHTFPAVL 197

Db 121 VSSASTKGPVFLPAPSSKTSGGTAALGCLVKDYPREPVTVSNMGAALTSVHTFPAVL 180

Qy 198 QSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDKTHTCPCPAPB 257

Db 181 QSSGLYSLSVTVTPSSSLGTQYIICNVNKKPSNTKVDKRVKPSGDKTHTCPCPAPB 240

Qy 258 LGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVNAKTPREE 317

Db 241 LGSPVFLFPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVNAKTPREE 300

Qy 318 QYNSTYRVVSVLTALHODWLNGKEYKCKVSNKALPAPIEKTISKAKGPREBOVTVLP 377

Db 301 QYNSTYRVVSVLTALHODWLNGKEYKCKVSNKALPAPIEKTISKAKGPREBOVTVLP 360

Qy 378 REEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSPFLYSLKLTVDK 437

Db 361 REEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSPFLYSLKLTVDK 420

Qy 438 SRMOQNVFSCSVMEHALHNHYTOKSLSPGK 470

Db 421 SRMOQNVFSCSVMEHALHNHYTOKSLSPGK 453

RESULT 13

US-07-934-373C-22

Sequence 22, Application US/07934373C

Patent No. 5821337

GENERAL INFORMATION:

APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta

TITLE OF INVENTION: Immunoglobulin Variants

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

QY	377	SREEMTKNOVSLCLCKAGGYPSPDIAMWMSNQPPNNKTPPVLDSDGSPFLYSKLTVD	436
Db	361	SREEMTKNOVSLCLCKAGGYPSPDIAMWMSNQPPNNKTPPVLDSDGSPFLYSKLTVD	420
QY	437	KSRWQGNVPSCGVMEALHNHYTKSLSLSPGK	470
Db	421	KSRWQGNVPSCGVMEALHNHYTKSLSLSPGK	454

RESULT 15
US-08-146-206C-22

```

GENERAL INFORMATION:
APPLICANT: Carter, Paul J.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Method for Making Humani
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/146,206C
FILING DATE: 17-NO. 6407213-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

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Query Match	85.8%;	Score 2158.5;	DB 4;	Length 454;
Best Local Similarity	89.2%;	Pred. No. 2.9e-154;		
Matches 405;	Conservative 18;	Mismatches 28;	Indels 3;	Gaps 1;

[illegible]

Db	241	LLGGPVPVFLPPKPKDITLMIKSTPEVTCVYVDVSHDEPVGFMYYVDGVEVHNAKTKPRE	3000
Qy	317	EQNSTYRVVSVLTVLHODPLNGKEKCKVSNKALPAPIEKTISKAGQPREPQVYTLPP	3760
Db	301	EQNSTYRVVSVLTVLHODPLNGKEKCKVSNKALPAPIEKTISKAGQPREPQVYTLPP	3600
Qy	377	SREEMTKNOVSLTCLVKGFPSPSDIAVEBSNQGPENNYKTPPYLDSGGSFFLYSKULTVD	4360
Db	361	SREEMTKNOVSLTCLVKGFPSPSDIAVEBSNQGPENNYKTPPYLDSGGSFFLYSKULTVD	4200
Qy	437	KSRMQGQNVFSCSVHHEALHNHYTKSLSLSPGK	4700
Db	421	KSRMQGQNVFSCSVHHEALHNHYTKSLSLSPGK	4540

Search completed: February 20, 2004, 13:35:11
Job time : 16.5872 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds

(without alignments)
2761.047 Million cell updates/aec

Title: US-09-499-662-147

Sequence: 1 MMSGSCILFLVATATGVHSO.....MHEALNHHTQKSLSLSPGK 470

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

1: Published Applications AA:*

2: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*

3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubppa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubppa/US07_NEW_PUB.pep:*

6: /cgn2_6/ptodata/1/pubppa/PTUS_PUBCOMB.pep:*

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12: /cgn2_6/ptodata/1/pubppa/US09_NEW_PUB.pep:*

13: /cgn2_6/ptodata/1/pubppa/US10A_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubppa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubppa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubppa/US10_NEW_PUB.pep:*

17: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUB.pep:*

18: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2517	100.0	470	US-10-384-933-147	Sequence 147, App
2	2517	100.0	470	US-10-216-484-147	Sequence 147, App
3	2514	99.9	470	US-10-384-933-143	Sequence 143, App
4	2514	99.8	470	US-10-216-484-143	Sequence 143, App
5	2512	99.8	470	US-10-384-933-145	Sequence 145, App
6	2512	99.8	470	US-10-216-484-145	Sequence 145, App
7	2511	99.8	470	US-10-384-933-117	Sequence 117, App
8	2511	99.8	470	US-10-216-484-117	Sequence 117, App
9	2498	99.2	470	US-10-384-933-157	Sequence 89, App1
10	2498	99.2	470	US-10-216-484-89	Sequence 89, App1
11	2498	99.2	470	US-10-216-484-89	Sequence 89, App1
12	2498	99.2	470	US-10-216-484-157	Sequence 157, App1
13	2349.5	93.3	741	US-09-825-012-46	Sequence 46, App1
14	2349.5	93.3	741	US-09-825-012-55	Sequence 55, App1
15	2344.5	93.1	729	US-09-825-012-52	Sequence 52, App1

16	2344.5	93.1	739	10	US-09-825-012-61	Sequence 61, App1
17	2338.5	92.9	730	10	US-09-825-012-49	Sequence 49, App1
18	2338.5	92.9	740	10	US-09-825-012-58	Sequence 58, App1
19	2285.5	90.8	469	12	US-10-377-121-18	Sequence 18, App1
20	2280.5	90.6	469	12	US-10-377-121-22	Sequence 22, App1
21	2267	90.1	476	12	US-10-225-108A-16	Sequence 16, App1
22	2267	90.1	476	12	US-10-461-148-9	Sequence 9, App1
23	2261.5	89.8	467	12	US-10-353-708-41	Sequence 41, App1
24	2261.5	89.8	467	12	US-10-353-708-47	Sequence 47, App1
25	2261.5	89.8	467	12	US-10-353-708-59	Sequence 59, App1
26	2261.5	89.8	467	15	US-10-171-452A-41	Sequence 41, App1
27	2261.5	89.8	467	15	US-10-171-452A-47	Sequence 47, App1
28	2261.5	89.8	467	15	US-10-171-452A-59	Sequence 59, App1
29	2258.5	89.7	467	12	US-10-353-708-53	Sequence 53, App1
30	2258.5	89.7	467	15	US-10-171-452A-53	Sequence 53, App1
31	2258	89.7	472	12	US-10-159-006-43	Sequence 43, App1
32	2258	89.7	476	10	US-09-747-669-3	Sequence 3, App1
33	2258	89.7	476	15	US-10-290-703-3	Sequence 3, App1
34	2235.5	88.8	448	12	US-10-378-567-2	Sequence 2, App1
35	2229	88.6	448	12	US-10-409-938-15	Sequence 15, App1
36	2228.5	88.5	448	12	US-10-353-708-48	Sequence 48, App1
37	2228.5	88.5	448	12	US-10-353-708-60	Sequence 60, App1
38	2228.5	88.5	448	15	US-10-171-452A-48	Sequence 48, App1
39	2228.5	88.5	448	15	US-10-171-452A-60	Sequence 60, App1
40	2228.5	88.5	489	12	US-10-104-047-3329	Sequence 3329, App1
41	2225.5	88.4	448	12	US-10-353-708-42	Sequence 42, App1
42	2225.5	88.4	448	12	US-10-353-708-54	Sequence 54, App1
43	2225.5	88.4	448	15	US-10-171-452A-42	Sequence 42, App1
44	2225.5	88.4	448	15	US-10-171-452A-54	Sequence 54, App1
45	2212.5	87.9	477	12	US-10-108-260A-4289	Sequence 4289, App1

ALIGNMENTS

RESULT 1

US-10-384-933-147

Sequence 147, Application US/10384933

Publication No. US20030170817A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa

APPLICANT: Harizawa, Hideyuki

APPLICANT: Takahara, Kaori

APPLICANT: Takashi, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Pas Antibodies

FILE REFERENCE: 980126C1P/HG

CURRENT APPLICATION NUMBER: US/10/384, 933

CURRENT FILING DATE: 2003-02-05

PRIOR APPLICATION NUMBER: US/09/499, 662

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053, 583

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 147

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURES:

OTHER INFORMATION: Description of Artificial Sequence: Designed heavy chain of humanized anti-Pas antibody

US-10-384-933-147

Query Match 100.0%; Score 2517; DB 12; Length 470;

Best Local Similarity 100.0%; Pred. No. 3.9e-166; Mismatches 0; Indels 0; Gaps 0;

Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMSGSCILFLVATATGVHSOVLQVQAGAYKKPKASVYKSCKASGYTFTYMMQVROAP 60

Db 1 MMSGSCILFLVATATGVHSOVLQVQAGAYKKPKASVYKSCKASGYTFTYMMQVROAP 60

Qy 61 GGGLEWGEIDPDSYTNQKFKGKATLTVDTSTAYMELSLRSDDTAIVYCARND 120

Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYCAARRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYFPEPVTVS 180
Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYFPEPVTVS 180
QY 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVVPSSSLGTQYICVNNHKPSTNTKDKRVEP 240
Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVVPSSSLGTQYICVNNHKPSTNTKDKRVEP 240
QY 241 KSCDKHTPCPCPAPBELLGGPSVFLPPPKPDOTLMISRTPEVTCVVDVSHEDBEVAFNW 300
Db 241 KSCDKHTPCPCPAPBELLGGPSVFLPPPKPDOTLMISRTPEVTCVVDVSHEDBEVAFNW 300
QY 301 YVDGEVHNAKTKREBOQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBOQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPPV 420
QY 421 LDSGSPFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470

RESULT 2

US-10-216-484-147
; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

Query Match 100.0%; Score 2517; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 3.3e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGNMCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
Db 1 MGNMCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
QY 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYCAARRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYCAARRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYFPEPVTVS 180
Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYFPEPVTVS 180
QY 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVVPSSSLGTQYICVNNHKPSTNTKDKRVEP 240
Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVVPSSSLGTQYICVNNHKPSTNTKDKRVEP 240

Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVVPSSSLGTQYICVNNHKPSTNTKDKRVEP 240
QY 241 KSCDKHTPCPCPAPBELLGGPSVFLPPPKPDOTLMISRTPEVTCVVDVSHEDBEVAFNW 300
Db 241 KSCDKHTPCPCPAPBELLGGPSVFLPPPKPDOTLMISRTPEVTCVVDVSHEDBEVAFNW 300
QY 301 YVDGEVHNAKTKREBOQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBOQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPPV 420
Db 361 KAKQPREPOVYTLPPSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNYKTTTPPV 420
QY 421 LDSGSPFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470
Db 421 LDSGSPFLYSKLTVDKSRWQGNVFCSVWHEALHNHYTKSLSPGK 470

RESULT 3

US-10-384-933-143
; Sequence 143, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CJP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 99.9%; Score 2514; DB 12; Length 470;
Best Local Similarity 99.8%; Pred. No. 6.3e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGNMCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
Db 1 MGNMCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
QY 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYCAARRD 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGKATLTVDISTSTAYMELSLRSEDIAVYCAARRD 120
QY 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYFPEPVTVS 180
Db 121 YSNMWYFDVWGQGLTVTVSSASTKGPVSFPLAPSSKSTSGGTAALGCLVXDYFPEPVTVS 180
QY 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVVPSSSLGTQYICVNNHKPSTNTKDKRVEP 240
Db 181 WNSGALTSVHTFPAYLQSSGLYSLSVTVVPSSSLGTQYICVNNHKPSTNTKDKRVEP 240
QY 241 KSCDKHTPCPCPAPBELLGGPSVFLPPPKPDOTLMISRTPEVTCVVDVSHEDBEVAFNW 300
Db 241 KSCDKHTPCPCPAPBELLGGPSVFLPPPKPDOTLMISRTPEVTCVVDVSHEDBEVAFNW 300
QY 301 YVDGEVHNAKTKREBOQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBOQYNSTRVSVLTVLHODMLNGEKYKCKVSNKALPAPIEKTIS 360

Db 301 YVDSGVEVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGEYKCKVSNKALPADIETKIS 360
Qy 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFFLYSKLTVDSKSRWQGNVFCSVVHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFFLYSKLTVDSKSRWQGNVFCSVVHEALHNHYTOKSLSLSPGK 470

RESULT 4

US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-216-484-143

Query Match 99.9%; Score 2514; DB 15; Length 470;
Best Local Similarity 99.8%; Pred. No. 6.3e-166;
Matches 469; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKASGYTFSTYMQMVRQAP 60
Db 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKASGYTFSTYMQMVRQAP 60
Qy 61 GQGLEMMGEIDPSSTYNQKFKGKATLTVDISTSTAYMELSLRSEDPAVYTCARRD 120
Db 61 GQGLEMMGEIDPSSTYNQKFKGKATLTVDISTSTAYMELSLRSEDPAVYTCARRD 120
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Qy 181 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVER 240
Db 181 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVER 240
Qy 241 KSCDKHTCTPCCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDDEVEK 300
Db 241 KSCDKHTCTPCCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDDEVEK 300
Qy 301 YVDGVEVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGEYKCKVSNKALPADIETKIS 360
Db 301 YVDGVEVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGEYKCKVSNKALPADIETKIS 360
Qy 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFFLYSKLTVDSKSRWQGNVFCSVVHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFFLYSKLTVDSKSRWQGNVFCSVVHEALHNHYTOKSLSLSPGK 470

Db 421 LDSGSEFFLYSKLTVDSKSRWQGNVFCSVVHEALHNHYTOKSLSLSPGK 470

RESULT 5

US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-145

Query Match 99.8%; Score 2512; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 8.7e-166;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKASGYTFSTYMQMVRQAP 60
Db 1 MGMSCTLLFLVATATGVHSGVQLVQSGAEVKKPGASVKVSCKASGYTFSTYMQMVRQAP 60
Qy 61 GQGLEMMGEIDPSSTYNQKFKGKATLTVDISTSTAYMELSLRSEDPAVYTCARRD 120
Db 61 GQGLEMMGEIDPSSTYNQKFKGKATLTVDISTSTAYMELSLRSEDPAVYTCARRD 120
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Qy 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Db 121 YSNMWYFDWVGQGLTVVSSASTKGPVFLPAPSSKSTSGGTALAGCLVKDYFPEPTVS 180
Qy 181 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVER 240
Db 181 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKVER 240
Qy 241 KSCDKHTCTPCCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDDEVEK 300
Db 241 KSCDKHTCTPCCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDDEVEK 300
Qy 301 YVDGVEVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGEYKCKVSNKALPADIETKIS 360
Db 301 YVDGVEVHNAKTKREBOYNSTYRVSVLTJVLHODWLNKGEYKCKVSNKALPADIETKIS 360
Qy 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Db 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
Qy 421 LDSGSEFFLYSKLTVDSKSRWQGNVFCSVVHEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFFLYSKLTVDSKSRWQGNVFCSVVHEALHNHYTOKSLSLSPGK 470

RESULT 6
US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 145
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-145

Query Match 99.8%; Score 2512; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 8.7e-166;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
QY 61 GQGLEMMGEIDPSSTYNNOKFKGKATLTVDSTSTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GQGLEMMGEIDPSSTYNNOKFKGKATLTVDSTSTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNMWYDWMQGGTLVTVSSASTGSPVFLAPSSKSTSGGTAALGCLVQDYFPEPTVVS 180
DB 121 YSNMWYDWMQGGTLVTVSSASTGSPVFLAPSSKSTSGGTAALGCLVQDYFPEPTVVS 180
QY 181 WNSGALTSVHTFPFVAVLQSSGLYSLSVTVTPSSSLGTQYIICVNHKPSNTKYDKVERP 240
DB 181 WNSGALTSVHTFPFVAVLQSSGLYSLSVTVTPSSSLGTQYIICVNHKPSNTKYDKVERP 240
QY 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNNAKTKREEQYNSTRVSVLTGLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
DB 301 YVDGEVHNNAKTKREEQYNSTRVSVLTGLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDKSRWQGGNVFSCSYMHKALHNHYTQKSLSLSPGK 470
DB 421 LDSDGSFFLYSKLTVDKSRWQGGNVFSCSYMHKALHNHYTQKSLSLSPGK 470

RESULT 7
US-10-384-933-117
Sequence 117, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-117

Query Match 99.8%; Score 2511; DB 12; Length 470;
Best Local Similarity 99.6%; Pred. No. 1e-165;
Matches 468; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
DB 1 MGSCIIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
QY 61 GQGLEMMGEIDPSSTYNNOKFKGKATLTVDSTSTAYMELSLRSEDPAVYYCAARRD 120
DB 61 GQGLEMMGEIDPSSTYNNOKFKGKATLTVDSTSTAYMELSLRSEDPAVYYCAARRD 120
QY 121 YSNMWYDWMQGGTLVTVSSASTGSPVFLAPSSKSTSGGTAALGCLVQDYFPEPTVVS 180
DB 121 YSNMWYDWMQGGTLVTVSSASTGSPVFLAPSSKSTSGGTAALGCLVQDYFPEPTVVS 180
QY 181 WNSGALTSVHTFPFVAVLQSSGLYSLSVTVTPSSSLGTQYIICVNHKPSNTKYDKVERP 240
DB 181 WNSGALTSVHTFPFVAVLQSSGLYSLSVTVTPSSSLGTQYIICVNHKPSNTKYDKVERP 240
QY 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTPCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNNAKTKREEQYNSTRVSVLTGLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
DB 301 YVDGEVHNNAKTKREEQYNSTRVSVLTGLVKGFPYSDIAVEMESNGQPENNYKTTTPV 360
QY 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
DB 361 KAKQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPV 420
QY 421 LDSDGSFFLYSKLTVDKSRWQGGNVFSCSYMHKALHNHYTQKSLSLSPGK 470
DB 421 LDSDGSFFLYSKLTVDKSRWQGGNVFSCSYMHKALHNHYTQKSLSLSPGK 470

RESULT 8
US-10-216-484-117
Sequence 117, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-117

Query Match 99.8%; Score 2511; DB 15; Length 470;
Best Local Similarity 99.6%; Pred. No. 1e-165;
Matches 466; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGNSCILFLVATATGVHSQVQLVQSGAEVKKPQASVKPSCKASGYTFTSYMMQWRAP 60
DB 1 MGNSCILFLVATATGVHSQVQLVQSGAEVKKPQASVKPSCKASGYTFTSYMMQWRAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVTDISTSTAYMELSLRSEDITAVYICARRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVTDISTSTAYMELSLRSEDITAVYICARRD 120
QY 121 YSNMWYFDVWGEGTLVTVSSASTKGPVFPLAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
DB 121 YSNMWYFDVWGEGTLVTVSSASTKGPVFPLAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
QY 181 MNSGALTSVHTFPAYVQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKRVEP 240
DB 181 MNSGALTSVHTFPAYVQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKRVEP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
DB 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
QY 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNGEKYKKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNGEKYKKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGYFSDIAVEESNGQPENNYKTTPPV 420
DB 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGYFSDIAVEESNGQPENNYKTTPPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSSVMHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSSVMHEALHNHYTQKSLSLSPGK 470

RESULT 9
US-10-384-933-89
Sequence 89, Application US/10384933
Publication No. US20030170817A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 89

LENGTH: 470

TYPE: PRT

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: Chain of humanized anti-Fas antibody

US-10-384-933-89
Query Match 99.2%; Score 2498; DB 12; Length 470;

Best Local Similarity 99.1%; Pred. No. 8.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCILFLVATATGVHSQVQLVQSGAEVKKPQASVKPSCKASGYTFTSYMMQWRAP 60
DB 1 MGNSCILFLVATATGVHSQVQLVQSGAEVKKPQASVKPSCKASGYTFTSYMMQWRAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVTDISTSTAYMELSLRSEDITAVYICARRD 120
DB 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVTDISTSTAYMELSLRSEDITAVYICARRD 120
QY 121 YSNMWYFDVWGEGTLVTVSSASTKGPVFPLAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
DB 121 YSNMWYFDVWGEGTLVTVSSASTKGPVFPLAPSSKSTSGGTALAGCLVKDYPPEPTVS 180
QY 181 MNSGALTSVHTFPAYVQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKRVEP 240
DB 181 MNSGALTSVHTFPAYVQSSGLYSLSVTVPPSSSLGTQYICVNNHKPSTKYDKRVEP 240
QY 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
DB 241 KSCDKHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKRW 300
QY 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNGEKYKKCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNAKTKREDOYNSYTRVSVLTFLHODMNGEKYKKCKVSNKALPAPIEKTIS 360
QY 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGYFSDIAVEESNGQPENNYKTTPPV 420
DB 361 KAKQPREPOVYTLPPREBETKNQVSLTCLVKGYFSDIAVEESNGQPENNYKTTPPV 420
QY 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSSVMHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMQQGVNFCSSVMHEALHNHYTQKSLSLSPGK 470

RESULT 10
US-10-384-933-157

Sequence 157, Application US/10384933
Publication No. US20030170817A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 157
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed
OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157

Query Match 99.2%; Score 2498; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 8.1e-165;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGNSCILFLVATATGVHSQVQLVQSGAEVKKPQASVKPSCKASGYTFTSYMMQWRAP 60
DB 1 MGNSCILFLVATATGVHSQVQLVQSGAEVKKPQASVKPSCKASGYTFTSYMMQWRAP 60
QY 61 GQGLEMMGEIDPSSTYNNQKFKGKATLVTDISTSTAYMELSLRSEDITAVYICARRD 120

```
Db 61 GGGLEMMGEIDPSDSTYNQKFKGRVTITRDISTSTAYMELSLRSEDIAVYTCARND 120
Qy 121 YSNMWYDVMGQGLTVYSSASTGSPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Db 121 YSNMWYDVMGEGTLVTVSSASTGSPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
Qy 241 KSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Db 241 KSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKREBQYNSTYRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBQYNSTYRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFLLYSKLTVDKSRMQQGVNFCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRMQQGVNFCSVNHEALHNHYTQKSLSLSPGK 470
```

```
RESULT 11
US-10-216-484-89
; Sequence 89, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89
```

```
Query Match 99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 99.1%; Pred. No. 8.1e-165;
Matches 466; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMQMWRQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMQMWRQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGRVTITRDISTSTAYMELSLRSEDIAVYTCARND 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGRVTITRDISTSTAYMELSLRSEDIAVYTCARND 120
Qy 121 YSNMWYDVMGQGLTVYSSASTGSPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Db 121 YSNMWYDVMGEGTLVTVSSASTGSPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
```

```
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
Qy 241 KSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Db 241 KSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKREBQYNSTYRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Db 301 YVDGEVHNAKTKREBQYNSTYRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Db 361 KAKQPREPOVYTLPPREEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTPPV 420
Qy 421 LDSGSEFLLYSKLTVDKSRMQQGVNFCSVNHEALHNHYTQKSLSLSPGK 470
Db 421 LDSGSEFLLYSKLTVDKSRMQQGVNFCSVNHEALHNHYTQKSLSLSPGK 470
```

```
RESULT 12
US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157
```

```
Query Match 99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 8.1e-165;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
```

```
Qy 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMQMWRQAP 60
Db 1 MGMSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVYSCAKSGYFTSTYMQMWRQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNQKFKGRVTITRDISTSTAYMELSLRSEDIAVYTCARND 120
Db 61 GGGLEMMGEIDPSDSTYNQKFKGRVTITRDISTSTAYMELSLRSEDIAVYTCARND 120
Qy 121 YSNMWYDVMGQGLTVYSSASTGSPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Db 121 YSNMWYDVMGEGTLVTVSSASTGSPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
Qy 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
Db 181 WNSGALTSVHTPFAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
Qy 241 KSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Db 241 KSCDKHTPCPCPAPELLGSPVFLFPKPKDITLMTSRTEBVTCTVVDVSHEDPEVFNW 300
Qy 301 YVDGEVHNAKTKREBQYNSTYRVSVLTVLHODMNGKRYCKVSNKALPAPIEKTIS 360
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Db 301 YVDSGVHNAKTKREBOYNSTRVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 360
Qy 361 KAKQPREPOVYTLPPREBEMTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPPV 420
Db 361 KAKQPREPOVYTLPPREBEMTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPPV 420
Qy 421 LDSGSEFLYKSLTVDSKRWQOGNVFSCSVHMEALHNHYTOKSLSLSPGK 470
Db 421 LDSGSEFLYKSLTVDSKRWQOGNVFSCSVHMEALHNHYTOKSLSLSPGK 470
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RESULT 13

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US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
; US-09-825-012-46
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Query Match 93.3%; Score 2349.5; DB 10; Length 731;
Best Local Similarity 93.2%; Pred. No. 2.6e-154;
Matches 438; Conservative 19; Mismatches 10; Indels 3; Gaps 1;
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Qy 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVRQAP 60
Db 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSAWIMVNRQAP 60
Qy 61 GGLIEMNGEIDPSSTYNRNQKFKGKATLTVDISTSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GGLIEMNGEIDPSSTYNRNQKFKGKATLTVDISTSTAYMELSLRSEDTAVYYCARSYD 120
Qy 121 YSNMWYFDVWGQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 180
Db 121 YSNMWYFDVWGQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 180
Qy 121 PA--WFAVMQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 177
Db 121 PA--WFAVMQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 177
Qy 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 240
Db 178 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 237
Qy 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 238 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDSGVHNAKTKREBOYNSTRVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 360
Db 298 YVDSGVHNAKTKREBOYNSTRVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPREBEMTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPPV 420
Db 358 KAKQPREPOVYTLPPREBEMTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPPV 417
Qy 421 LDSGSEFLYKSLTVDSKRWQOGNVFSCSVHMEALHNHYTOKSLSLSPGK 470
Db 418 LDSGSEFLYKSLTVDSKRWQOGNVFSCSVHMEALHNHYTOKSLSLSPGK 467
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RESULT 14

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US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
; US-09-825-012-55
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Query Match 93.3%; Score 2349.5; DB 10; Length 741;
Best Local Similarity 93.2%; Pred. No. 2.6e-154;
Matches 438; Conservative 19; Mismatches 10; Indels 3; Gaps 1;
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Qy 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMQWVRQAP 60
Db 1 MGMSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYFTSAWIMVNRQAP 60
Qy 61 GGLIEMNGEIDPSSTYNRNQKFKGKATLTVDISTSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GGLIEMNGEIDPSSTYNRNQKFKGKATLTVDISTSTAYMELSLRSEDTAVYYCARSYD 120
Qy 121 YSNMWYFDVWGQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 180
Db 121 YSNMWYFDVWGQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 180
Qy 121 PA--WFAVMQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 177
Db 121 PA--WFAVMQGLLVYSSASTKGPSVFPLAPSSKSTSGGTALAGCLVKDYFPEPVTVS 177
Qy 181 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 240
Db 178 MNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSNTKYDKRVEP 237
Qy 241 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
Db 238 KSCDKHTHTCPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
Qy 301 YVDSGVHNAKTKREBOYNSTRVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 360
Db 298 YVDSGVHNAKTKREBOYNSTRVSVLTVLHODMLNGKRYCKKVSINKALPAPIEKTIS 357
Qy 361 KAKQPREPOVYTLPPREBEMTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPPV 420
Db 358 KAKQPREPOVYTLPPREBEMTKNOVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPPV 417
Qy 421 LDSGSEFLYKSLTVDSKRWQOGNVFSCSVHMEALHNHYTOKSLSLSPGK 470
Db 418 LDSGSEFLYKSLTVDSKRWQOGNVFSCSVHMEALHNHYTOKSLSLSPGK 467
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RESULT 15

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US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
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; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
US-09-825-012-52

Query Match 93.1%; Score 2344.5; DB 10; Length 729;
Best Local Similarity 93.2%; Pred. No. 5.7e-154;
Matches 437; Conservative 19; Mismatches 10; Indels 3; Gaps 1;

QY 1 MGMSCTILFLVATNGVSOVLVOSGAEVKKPGASVSCASGTFSTYMMQVROAP 60
DB 1 MGMSCTILFLVATNGVSOVLVOSGAEVKKPGASVSCASGTFSTYMMQVROAP 60
QY 61 GQGLEWNGELIDPSDYTNQKFKGKATLVDTSTSTAYMELSLRSEDTAVYYCARND 120
DB 61 GKGLEWNGELIDPSDYTNQKFKGKATLVDTSTSTAYMELSLRSEDTAVYYCARND 120
QY 121 YSNWYFDVWQGLVTVSSASTKGPVFPPLAPSKSTSGTALGCLVKDYFPEPTVS 180
DB 121 YSNWYFDVWQGLVTVSSASTKGPVFPPLAPSKSTSGTALGCLVKDYFPEPTVS 180
QY 121 FA--WFAWQGLTVTVSSASTKGPVFPPLAPSKSTSGTALGCLVKDYFPEPTVS 177
DB 121 FA--WFAWQGLTVTVSSASTKGPVFPPLAPSKSTSGTALGCLVKDYFPEPTVS 177
QY 181 WNSGALTSVHTFPVAVLOSGLYSLSVTVTPSSSLGTQTYICNVNHKPSNTKVDKVEP 240
DB 178 WNSGALTSVHTFPVAVLOSGLYSLSVTVTPSSSLGTQTYICNVNHKPSNTKVDKVEP 237
QY 241 KSCDKHTCPCPAPPELLGSPVFLFPKPDTLMISRTPEVTCVVDVSHEDPEVKFNW 300
DB 238 KSCDKHTCPCPAPPELLGSPVFLFPKPDTLMISRTPEVTCVVDVSHEDPEVKFNW 297
QY 301 YVDGEVHNAAKTKREEQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 360
DB 298 YVDGEVHNAAKTKREEQYNSTYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTIS 357
QY 361 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIPV 420
DB 358 KAKGQPREPOVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTIPV 417
QY 421 LQSDGSFELYSLTVDSKRWQGNVFCSCVMHEALHNHYTQKSLSLSPG 469
DB 418 LQSDGSFELYSLTVDSKRWQGNVFCSCVMHEALHNHYTQKSLSLSPG 466

Search completed: February 20, 2004, 14:25:40
Job time : 36.6422 secs

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OM protein - protein search, using sw model

Run on: February 20, 2004, 13:23:52 ; Search time 15.5872 Seconds
(without alignments)
1275.794 Million cell updates/sec

Title: US-09-499-662-157

Perfect score: 2518
Sequence: 1 MGMSCTILFVATATGVHSQ.....MHEALNHVYQKSLSPK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA: *
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2245	89.2	472	US-09-301-593-43	Sequence 43, Appl
2	2238	88.9	476	US-08-378-939-10	Sequence 10, Appl
3	2230	88.6	449	US-08-458-516-13	Sequence 13, Appl
4	2210.5	87.8	452	US-09-027-449-71	Sequence 71, Appl
5	2210.5	87.8	452	US-09-026-985-71	Sequence 71, Appl
6	2210.5	87.8	452	US-09-121-952A-71	Sequence 71, Appl
7	2210.5	87.8	452	US-09-234-340A-71	Sequence 71, Appl
8	2207.5	87.7	467	US-09-049-672A-8	Sequence 8, Appl
9	2190	87.0	472	US-09-301-593-30	Sequence 30, Appl
10	2172	86.3	468	US-09-485-737B-67	Sequence 67, Appl
11	2172	86.3	711	US-09-485-737B-90	Sequence 90, Appl
12	2150.5	85.4	453	US-09-301-593-18	Sequence 18, Appl
13	2146	85.2	472	US-08-793-450-8	Sequence 8, Appl
14	2142.5	85.1	454	US-07-934-373C-22	Sequence 22, Appl
15	2142.5	85.1	454	US-08-437-642B-22	Sequence 22, Appl
16	2142.5	85.1	454	US-08-146-206C-22	Sequence 22, Appl
17	2142.5	85.1	454	US-08-146-206C-22	Sequence 22, Appl
18	2141	85.0	451	PCT-US93-07832-22	Sequence 22, Appl
19	2141	85.0	451	US-08-887-352B-14	Sequence 14, Appl
20	2141	85.0	451	US-08-887-352B-16	Sequence 16, Appl
21	2141	85.0	451	US-08-466-151-65	Sequence 65, Appl
22	2141	85.0	451	US-09-109-207C-14	Sequence 14, Appl
23	2141	85.0	451	US-09-109-207C-16	Sequence 16, Appl
24	2141	85.0	451	US-09-286-005-14	Sequence 14, Appl
25	2141	85.0	451	US-09-286-005-16	Sequence 16, Appl
26	2135	84.8	478	US-08-487-550-8	Sequence 8, Appl
27	2133	84.7	451	US-09-526-098-8	Sequence 8, Appl
				US-08-887-352B-18	Sequence 18, Appl

28	2133	84.7	451	US-09-109-207C-18	Sequence 18, Appl
29	2133	84.7	451	US-09-282-505-2	Sequence 2, Appl
30	2133	84.7	451	US-09-054-255-2	Sequence 2, Appl
31	2133	84.7	451	US-09-296-005-18	Sequence 18, Appl
32	2133	84.7	451	US-09-282-846-2	Sequence 2, Appl
33	2133	84.7	451	US-09-680-145-2	Sequence 2, Appl
34	2119	84.2	453	US-08-466-151-8	Sequence 8, Appl
35	2119	84.2	453	US-08-466-163B-8	Sequence 8, Appl
36	2107.5	83.7	449	US-09-679-397-2	Sequence 2, Appl
37	2107.5	83.7	449	US-09-680-148-2	Sequence 2, Appl
38	2107.5	83.7	449	US-09-304-465A-2	Sequence 2, Appl
39	2104.5	83.6	459	US-08-157-101A-7	Sequence 7, Appl
40	2098.5	83.3	552	PCT-US93-07832-23	Sequence 23, Appl
41	2095.5	83.2	467	US-07-916-098A-45	Sequence 45, Appl
42	2095.5	83.2	469	US-07-934-373C-23	Sequence 23, Appl
43	2095.5	83.2	469	US-08-437-642B-23	Sequence 23, Appl
44	2095.5	83.2	469	US-08-146-206C-23	Sequence 23, Appl
45	2094	83.2	451	US-09-247-352-3	Sequence 3, Appl

ALIGNMENTS

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RESULT 1
US-09-301-593-43
; Sequence 43, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John E.
; APPLICANT: Garin-Chesa, Pilar
; APPLICANT: Bamberger, Uwe
; APPLICANT: Leger, Olivier
; APPLICANT: Salama, Jose W.
; APPLICANT: Reilly, Wolfgang J.
; TITLE OF INVENTION: RAP-Specific Antibody with Improved Producibility
; FILE REFERENCE: 0652.1890001
; CURRENT APPLICATION NUMBER: US/09/301,593A
; CURRENT FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-43
Query Match      89.2% Score 2245; DB 4; Length 472;
Best Local Similarity 90.1% Pred. No. 1.1e-164;
Matches 426; Conservative 11; Mismatches 32; Indels 4; Gaps 2;
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QY	1	MGMSCTILFVATATGVHSQVQLVQSGAEVKKPGASVYSCKASGYTFSTYMWQVRQAP	60
DB	1	MDMTWRPCLIAVAPGASQVQLVQSGAEVKKPGASVYSCKSRITTEITTHKVRQAP	60
QY	61	GGGLEMMGEIDPSDYNNYQKFGKRVITTRDTSTAYMELSLRSEDTAVVYCARNR	119
DB	61	GQRLWEMIGIINPNNGINPNVQKFGKRVITTRDTSTAYMELSLRSEDTAVVYCARNR	120
QY	120	--DYSNNYFPVWEGTLVYSSASTGSPSYFPLAPSSKTSGGTALGCLVQYFPPPV	177
DB	121	AYGDEGHADYWGQGLTVYSS--STKGPSVFPLAPSSKTSGGTALGCLVQYFPPPV	179
QY	178	TVSNNSGALTSGVTFPAVLQSSGLYSLSVVTYPPSSLSGTQYICVNNHRRPSMTKVDK	237
DB	180	TVSNNSGALTSGVTFPAVLQSSGLYSLSVVTYPPSSLSGTQYICVNNHRRPSMTKVDK	239
QY	238	VEPKSCDKHTCPCPAPPELLGSPVFLPPKPKDTIMISRTPEVTCVVVDVSHEDPEVK	297
DB	240	VEPKSCDKHTCPCPAPPELLGSPVFLPPKPKDTIMISRTPEVTCVVVDVSHEDPEVK	299

QY 298 FMYVVDGEVYHNAKTKPREBOYNSTYRVSVLTVLHODMNGKRYCKKCVSNKALPAP1EK 357
| | | | |
DB 300 FMYVVDGEVYHNAKTKPREBOYNSTYRVSVLTVLHODMNGKRYCKKCVSNKALPAP1EK 359
| | | | |
QY 358 TISKAGQPREPOVYTLPPSREBTKNOVSLTCLVKGFPSDIAVWESNQPPENNYKT 417
| | | | |
DB 360 TISKAGQPREPOVYTLPPSREBTKNOVSLTCLVKGFPSDIAVWESNQPPENNYKT 419
| | | | |
QY 418 PVLVDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNHYTOKSLSPGK 470
| | | | |
DB 420 PVLVDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNHYTOKSLSPGK 472
| | | | |

RESULT 2

US-08-378-939-10
; Sequence 10, Application US/08378939
; Patent No. 5876961
; GENERAL INFORMATION:
; APPLICANT: CROME, JAMES SCOTT
; APPLICANT: LEWIS, ALAN PETER
; TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
; STREET: 555 THIRTEENTH ST. N.W.
; CITY: WASHINGTON
; STATE: D. C.
; COUNTRY: U.S.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378,939
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/952640
; FILING DATE: 01-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: ERNST, BARBARA G
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1808-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 783-6040
; TELEFAX: (202) 783-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 476 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-378-939-10

Query Match 88.9%; Score 2238; DB 2; Length 476;
Best Local Similarity 89.1%; Pred. No. 3.9e-164;
Matches 424; Conservative 19; Mismatches 27; Indels 6; Gaps 1;

QY 1 MGNWSCILFLVATATGVHSGVQLVVGAGVYKPGASVYKSCAKSGYTFSTYMNQWYQAP 60
| | | | |
DB 1 MMTWTRFLFVAATGAVQSQMVQVVGAGVYKPGASVYKSCAKSGYTFSTYMNQWYQAP 60
| | | | |
QY 61 GQGLEMMGRIIDPSDSTNTNOKRGRVYTRDSTSTAYWELSLRSEDPAVYICARR- 119
| | | | |
DB 61 GQGLEMMGRIIDPSDSTNTNOKRGRVYTRDSTSTAYWELSLRSEDPAVYICARR- 120
| | | | |
QY 120 -----DYSNNWYVDWVGEGTLVYVSSASTGSPSVFPLAPSSKTSGGTALAGCLVQDFP 174
| | | | |
DB 121 ROANFDRARVGFDPWQGGTLVTVSSASTGSPSVFPLAPSSKTSGGTALAGCLVQDFP 180
| | | | |

QY 175 EPTVSWNSGALTSVHTPPAVLQSSGLYSLSVYTPSSSLGTQTYICVNNHKSPTKV 234
| | | | |
DB 181 EPTVSWNSGALTSVHTPPAVLQSSGLYSLSVYTPSSSLGTQTYICVNNHKSPTKV 240
| | | | |
QY 235 DKVEPKSCDKHTCPCPAPPELLGSPVFLFPKPKADTLMISRTPEVTCVVDVSHDP 294
| | | | |
DB 241 DKVEPKSCDKHTCPCPAPPELLGSPVFLFPKPKADTLMISRTPEVTCVVDVSHDP 300
| | | | |
QY 295 EVKFNWYVDGEVYHNAKTKPREBOYNSTYRVSVLTVLHODMNGKRYCKKCVSNKALPAP 354
| | | | |
DB 301 EVKFNWYVDGEVYHNAKTKPREBOYNSTYRVSVLTVLHODMNGKRYCKKCVSNKALPAP 360
| | | | |
QY 355 IETKISRAKQPREPOVYTLPPSREBTKNOVSLTCLVKGFPSDIAVWESNQPPENNY 414
| | | | |
DB 361 IETKISRAKQPREPOVYTLPPSREBTKNOVSLTCLVKGFPSDIAVWESNQPPENNY 420
| | | | |
QY 415 KTTPEVLVDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNHYTOKSLSPGK 470
| | | | |
DB 421 KTTPEVLVDSGSPFLYSKLTVDKSRMOQGNVFCSCVHHEALHNHYTOKSLSPGK 476
| | | | |

RESULT 3

US-08-458-516-13
; Sequence 13, Application US/08458516
; Patent No. 577085
; GENERAL INFORMATION:
; APPLICANT: Co, Man Sung
; APPLICANT: Tso, J. Yun
; TITLE OF INVENTION: Humanized Antibodies Reactive with
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: William M. Smith
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/458,516
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/059,159
; FILING DATE: 03-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-37-3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 449 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-458-516-13

Query Match 88.6%; Score 2230; DB 1; Length 449;
Best Local Similarity 93.1%; Pred. No. 1.5e-163;
Matches 420; Conservative 14; Mismatches 15; Indels 2; Gaps 2;

QY 20 QVQLVQSGAEVKKPKASVYKSCAKSGYTFSTYMNQWYQAPGQGLEMMGRIIDPSDSTNY 79
| | | | |
DB 1 QVQLVQSGAEVKKPKASVYKSCAKSGYTFSTYMNQWYQAPGQGLEMMGRIIDPSDSTNY 60
| | | | |

Qy	80	NOKPGRVITTEBDTSTSLAYMEELSSRSEPTAYYACARNDYNNMYFDVWEGTLYTVS	139
Dd	61	NEKFKGRVTLTJDESTINTIAYMEELSSRSEPTAYYFCAR-RDGNYGM-FAYWGGTLYTVS	118
Qy	140	SASTKGPVSFPLAPSPSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSVHTFPAVLQS	199
Dd	119	SASTKGPVSFPLAPSPSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSVHTFPAVLQS	178
Qy	200	SGLYSLSSVYVYTPSSSLGTQYTI CNNNHKPSNTKVDKRVPKSCDKTHTCPPCPAPBELLG	255
Dd	179	SGLYSLSSVYVYTPSSSLGTQYTI CNNNHKPSNTKVDKRVPKSCDKTHTCPPCPAPBELLG	238
Qy	260	GPSVFLFPKPKDMLISRTPEVTCVVDVYSHDEPKFWMYVDGYEVNNAKTKPREQY	319
Dd	239	GPSVFLFPKPKDMLISRTPEVTCVVDVYSHDEPKFWMYVDGYEVNNAKTKPREQY	298
Qy	330	NSTYEVSVLYALHODMLNGKEYCKVCYSNKALPAPIEKTISKAKGQPREPOVYTLPEPSRE	379
Dd	299	NSTYEVSVLYALHODMLNGKEYCKVCYSNKALPAPIEKTISKAKGQPREPOVYTLPEPSRD	358
Qy	380	EMTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTTPVLDSDGSFFLYSKLTVDYKSR	439
Dd	359	ELTKNQVSLTCLVKGFYPSDIAVEMESNQGPENNYKTTTPVLDSDGSFFLYSKLTVDKSR	418
Qy	440	WQGNVVFSCSVMHALLNHYTOKSLSLSPGK	470
Dd	419	WQGNVVFSCSVMHALLNHYTOKSLSLSPGK	449

RESULT 4
 US-09-027-449-71
 Sequence 71, Application US/09027449
 Patent No. 6025158
 GENERAL INFORMATION:
 APPLICANT: Gonzalez, Tania R.
 APPLICANT: Leong, Steven R.
 APPLICANT: Presta, Leonard G.
 TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
 TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/027,449
 FILING DATE: 20-Feb-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/074,330
 FILING DATE: 22-Jan-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/038,664
 FILING DATE: 21-Feb-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Love, Richard B.
 REGISTRATION NUMBER: 34,659
 REFERENCE/DOCKET NUMBER: P1085R3-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-5530
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 71:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 452 amino acids

TYPE: Amino Acid
; TOPOLOGY: Linear
US-09-027-449-71

Query Match	87.8%;	Score 2210.5;	DB 3;	Length 452;
Best Local Similarity	90.3%;	Pred. No. 4.7e-162;		
Matches 408;	Conservative 27;	Mismatches 16;	Indels 1;	Gaps 1;

```

0Y 0VOLV0SABEYKVPASAKYKVSCKAGYFTSTYMM0MVR0AP0Q0EMMEIDIPSDSYNY 79
Db 1 EV0LV0SGGLV0PQ0SRLRSCA0SGYFSSHYMMK0AP0KGL0EMV0GIDPSN0ETTY 60
0Y 80 N0K0EGRVTT1TRDSTSTAYMELSSLRSEDTAVVYCAR-NRDYSNNMYFDVW0EGTLVTV 138
Db 61 N0K0EGRFTLLRDN0SKNTAYLQMN0SLR0EDTAVVYCAR0GDYVYNGMFFPDVW0QGLVTV 120
0Y 139 SSASRKG0SV0PLAPSSKSTSGGTALGCLVYD0PEP0TVSWMNSGALISGHTT0PAV1Q 198
Db 121 SSASRKG0SV0PLAPSSKSTSGGTALGCLVYD0PEP0TVSWMNSGALISGHTT0PAV1Q 180
0Y 199 SSGYLSL0SVTVVPSSSLG0TQY1CNVHNK0PNTKVDKVBEK0CDKHTT0PC0PABELL 258
Db 181 SSGYLSL0SVTVVPSSSLG0TQY1CNVHNK0PNTKVDKVBEK0CDKHTT0PC0PABELL 240
0Y 259 G0P0SVFLEPP0PKD0TLM1SRTP0EVT0CVVYD0SH0EP0EYKFMVYD0GVEYHNAKTKR0E0 318
Db 241 G0P0SVFLEPP0PKD0TLM1SRTP0EVT0CVVYD0SH0EP0EYKFMVYD0GVEYHNAKTKR0E0 300
0Y 319 YNSTTRAV0SVTLVTHQ0DM1NGEKY0CKVSNKALPAP1EKT1SKAQ0PREP0VYTLTPPSR 378
Db 301 YNSTTRAV0SVTLVTHQ0DM1NGEKY0CKVSNKALPAP1EKT1SKAQ0PREP0VYTLTPPSR 360
0Y 379 E0MTKNQV0SLTCLVKFYPSD1AVW0ESNG0P0ENNYKTT0PYL1D0SG0FFLYSK1LTVDKS 438
Db 361 E0MTKNQV0SLTCLVKFYPSD1AVW0ESNG0P0ENNYKTT0PYL1D0SG0FFLYSK1LTVDKS 420
0Y 439 RM0QGNV0SC0VMHEAL1NHHT0K0SL1SPGK 470
Db 421 RM0QGNV0SC0VMHEAL1NHHT0K0SL1SPGK 452

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RESULT 5
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
Applicant: Gonzalez, Tania R.
Applicant: Leong, Steven R.
Applicant: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-6 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-1
TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ. ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71

Query Match 87.8%; Score 2210.5; DB 3; Length 452;
Best Local Similarity 90.3%; Pred. No. 4.7e-162; Indels 1; Gaps 1;
Matches 408; Conservative 27; Mismatches 16;

20 QVQLVDSGAEVKKPGASVKVSCKASGFTFTSYMMQWRQAPGQGLFWMGEIDPSDSTNY 79
1 EVQLVDSGGGLVPGGSLRLSCAASGYSFSSHTMHWRAQPGKLEWVGVIDPSNGETTY 60
QY 80 NQFKGRVITTRDTSSTAYMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGTLVTV 138
DB 61 NQFKGRFTLSRDNSKNTAYLQNMNSLRADDTAVYYCARGDYRYNGDWFPPVWGQGLTVTV 120
QY 139 SSASTGSPVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQ 198
DB 121 SSASTGSPVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKRVKPCDXTHTCPCPAPPELL 258
DB 181 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKRVKPCDXTHTCPCPAPPELL 240
QY 259 GGPSTVFPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 318
DB 241 GGPSTVFPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 300
QY 319 YNSTYRVSVLTITLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 378
DB 301 YNSTYRVSVLTITLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 360
QY 379 EEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSPFLYSKLTVDKS 438
DB 361 EEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSPFLYSKLTVDKS 420
QY 439 RMOQGNVFSQVMEALHNHYTOKSLSPGK 470
DB 421 RMOQGNVFSQVMEALHNHYTOKSLSPGK 452

RESULT 6

US-09-121-952A-71
Sequence 71, Application US/09121952A
Patent No. 6458355

GENERAL INFORMATION:

APPLICANT: Genentech, Inc., Haei, Vanessa
APPLICANT: Koumenis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/121, 952A
FILING DATE: 24-Jul-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: F1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ. ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-121-952A-71

Query Match 87.8%; Score 2210.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 4.7e-162; Indels 1; Gaps 1;
Matches 408; Conservative 27; Mismatches 16;

20 QVQLVDSGAEVKKPGASVKVSCKASGFTFTSYMMQWRQAPGQGLFWMGEIDPSDSTNY 79
1 EVQLVDSGGGLVPGGSLRLSCAASGYSFSSHTMHWRAQPGKLEWVGVIDPSNGETTY 60
QY 80 NQFKGRVITTRDTSSTAYMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGTLVTV 138
DB 61 NQFKGRFTLSRDNSKNTAYLQNMNSLRADDTAVYYCARGDYRYNGDWFPPVWGQGLTVTV 120
QY 139 SSASTGSPVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQ 198
DB 121 SSASTGSPVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMNSGALTSGVHTFPAVLQ 180
QY 199 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKRVKPCDXTHTCPCPAPPELL 258
DB 181 SSGLYSLSSVTVTPSSSLGTQYICNVNHPKNTKVDKRVKPCDXTHTCPCPAPPELL 240
QY 259 GGPSTVFPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 318
DB 241 GGPSTVFPFPKPKDTLMISRTPEVTCVVDVSHEDPEVKENMYVDGVEVNAKTKPREEQ 300
QY 319 YNSTYRVSVLTITLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 378
DB 301 YNSTYRVSVLTITLHODWLNKGEYKCKVSNKALPAPIEKTIISAKGQPREPQVYTLPPSR 360
QY 379 EEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSPFLYSKLTVDKS 438
DB 361 EEMTKQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSPFLYSKLTVDKS 420
QY 439 RMOQGNVFSQVMEALHNHYTOKSLSPGK 470
DB 421 RMOQGNVFSQVMEALHNHYTOKSLSPGK 452

RESULT 7

US-09-234-340A-71
Sequence 71, Application US/09234340A
Patent No. 6468532

GENERAL INFORMATION:

APPLICANT: Genentech, Inc., Haei, Vanessa
APPLICANT: Koumenis, Iphigenia
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
APPLICANT: Shahrokh, Zahra
APPLICANT: Zapata, Gerardo A.
TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES

NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,340A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9981
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
US-09-234-340A-71

Query Match 87.8%; Score 2210.5; DB 4; Length 452;
Best Local Similarity 90.3%; Pred. No. 4,76-162;
Matches 408; Conservative 27; Mismatches 16; Indels 1; Gaps 1;
QY 20 QVQLVDSGAEVKKRQASVKYSCKRSGYFTFSYMMQWROARQGGLEMMGRTIDPSDSTNY 79
DB 1 EVQLVDSGAEVKKRQASVKYSCKRSGYFTFSYMMQWROARQGGLEMMGRTIDPSDSTNY 60
QY 80 NQKFKGRTITRDSTSTAVMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGLVTV 138
DB 61 NQKFKGRTITRDSTSTAVMELSLRSEDTAVYYCAR-NRDYSNNMYFDVWGEGLVTV 120
QY 139 SSASTKGPSPVPLAPSSKSTSGTAAIGLVKDYFPEPVTVSNMNGALTSQHTFPAYLQ 198
DB 121 SSASTKGPSPVPLAPSSKSTSGTAAIGLVKDYFPEPVTVSNMNGALTSQHTFPAYLQ 180
QY 199 SSGGLYSSTVTVVSSSLGTQTYICNNHKPSNTRKVDKRVKPSCKDTHHTPPAPAPLL 258
DB 181 SSGGLYSSTVTVVSSSLGTQTYICNNHKPSNTRKVDKRVKPSCKDTHHTPPAPAPLL 240
QY 259 GGPSVFLPPEPKKQTLMIISRTPEVTCVVVDVSHEDPEVKFMWYDGVENHAKKRPREQ 318
DB 241 GGPSVFLPPEPKKQTLMIISRTPEVTCVVVDVSHEDPEVKFMWYDGVENHAKKRPREQ 300
QY 319 YNSTYRVSVLTJVLHODMNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSR 378
DB 301 YNSTYRVSVLTJVLHODMNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSR 360
QY 379 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFPLYSLKLTVDKS 438
DB 361 EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFPLYSLKLTVDKS 420
QY 439 RMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

DB 421 RMOQGNVFCSCVMHEALHNHYTQKSLSLSPGK 452
RESULT 8
US-09-049-672A-8
Sequence 8, Application US/09049672A
Patent No. 6135941
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Yue, Henry
APPLICANT: Au-Young, Janice
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Baughn, Mariah R.
TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,672A
FILING DATE: HEREWITH
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0497 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LUNGUT11
CLONE: 2747531
US-09-049-672A-8
Query Match 87.7%; Score 2207.5; DB 3; Length 467;
Best Local Similarity 89.2%; Pred. No. 8,46-162;
Matches 414; Conservative 20; Mismatches 27; Indels 3; Gaps 1;
QY 7 ILFLVATATGVHSGVOLVDSGAEVKKRQASVKYSCKRSGYFTFSYMMQWROARQGGLEW 66
DB 7 ILFLVATATGVHSGVOLVDSGAEVKKRQASVKYSCKRSGYFTFSYMMQWROARQGGLEW 66
QY 67 MGEIDPSDSTNYNQKFKGRTITRDSTSTAVMELSLRSEDTAVYYCARNRDYSNNMY 126
DB 67 MGLAPENGAEVAVYQKFLGRLLTSEDTSDTAIVYFNNLIGSEDSATYYCARQH--YDFE 123
QY 127 FDVWGEGLVTVSSASTKGPSPVPLAPSSKSTSGTAAIGLVKDYFPEPVTVSNMNGAL 186
DB 124 FDFWGGITVTVSSASTKGPSPVPLAPSSKSTSGTAAIGLVKDYFPEPVTVSNMNGAL 183
QY 187 TSGVHTFPAYLQSSGLYSSTVTVVSSSLGTQTYICNNHKPSNTRKVDKRVKPSCKDXT 246

Db 184 TSGVHTFPVAVLQSSGSLYSLSVTVTPSSSLGTQTYICVNNHPSNTKVDKXEPKSCDXT 243
Qy 247 HTCPPCPABELLGGPSVFLFPKPKDXTLMISRTPEVTCVVDVSHEDPEVKFNWYDGV 306
Db 244 HTCPPCPABELLGGPSVFLFPKPKDXTLMISRTPEVTCVVDVSHEDPEVKFNWYDGV 303
Qy 307 VNAKTKPREQYNSTYRVVSVLTVLHOMLNGKEKCKVSNKALPAPTEKTSKAGOP 366
Db 304 VNAKTKPREQYNSTYRVVSVLTVLHOMLNGKEKCKVSNKALPAPTEKTSKAGOP 363
Qy 367 REPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLDSGS 426
Db 364 REPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLDSGS 423
Qy 427 PFYLSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 470
Db 424 PFYLSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 467

RESULT 9

US-09-301-593-30
Sequence 30, Application US/09301593A
Patent No. 6455677
GENERAL INFORMATION:
APPLICANT: Park, John E.
APPLICANT: Garin-Chesa, Pilar
APPLICANT: Bamberger, Uwe
APPLICANT: Leger, Olivier
APPLICANT: Saldanha, Jose W.
APPLICANT: Rectis, Wolfgang J.
TITLE OF INVENTION: PAP-specific Antibody with Improved Productibility
FILE REFERENCE: 0652.1890001
CURRENT APPLICATION NUMBER: US/09/301.593A
EARLIER FILING DATE: 1999-04-29
EARLIER APPLICATION NUMBER: EP 98107925.4
EARLIER FILING DATE: 1998-04-30
EARLIER APPLICATION NUMBER: US 60/086, 049
EARLIER FILING DATE: 1998-05-18
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 472
TYPE: PRT
ORGANISM: Homo sapiens
US-09-301-593-30

Query Match 87.0%; Score 2190; DB 4; Length 472;

Best Local Similarity 87.5%; Pred. No. 1.9e-160; Indels 4; Gaps 2;
Matches 414; Conservative 19; Mismatches 36;

Qy 1 MGMSCTILPLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRQAP 60
Db 1 MGMSWVLFLLISGATLSEVQLQDSGPBELVKPASVYMGSKSRFTFTETITIMVQSH 60
Qy 61 GQGLEWMEGIDPSDSYTNQKFKGRVTTTRDSTSTAYMELSLRSEDTAVYYCARNR- 119
Db 61 GKSLEWIGGINPNCIPRYNQKFKGRATLTIVGKSSSTAYMELSLTSDSAVYFCARRI 120
Qy 120 --DYSNNMYFDWMEGTLVYSSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPV 177
Db 121 AYGDGEGHAMDYWCQGSVTVSS--STKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPV 179
Qy 178 TVSNNGALTSGVHTFPVAVLQSSGSLYSLSVTVTPSSSLGTQTYICVNNHPSNTKVDK 237
Db 180 TVSNNGALTSGVHTFPVAVLQSSGSLYSLSVTVTPSSSLGTQTYICVNNHPSNTKVDK 239
Qy 238 VEPKSCDXTHTCPPCPABELLGGPSVFLFPKPKDXTLMISRTPEVTCVVDVSHEDPEVK 297
Db 240 VEPKSCDXTHTCPPCPABELLGGPSVFLFPKPKDXTLMISRTPEVTCVVDVSHEDPEVK 299
Qy 298 FNNYVDGVEVNAKTKPREQYNSTYRVVSVLTVLHOMLNGKEKCKVSNKALPAPTEK 357

Db 300 FNNYVDGVEVNAKTKPREQYNSTYRVVSVLTVLHOMLNGKEKCKVSNKALPAPTEK 359
Qy 358 TISKAGOPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTT 417
Db 360 TISKAGOPREPQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTT 419
Qy 418 PVLDSGSGFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 470
Db 420 PVLDSGSGFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 472

RESULT 10

US-09-485-737B-67
Sequence 67, Application US/09485737B
Patent No. 6350860
GENERAL INFORMATION:
APPLICANT: Bayne, Marie-Ange
APPLICANT: Sablon, Ewain
TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK.
FILE REFERENCE: INNS:015
CURRENT APPLICATION NUMBER: US/09/485, 737B
CURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: PCT/EP 98/05165
PRIOR FILING DATE: 1998-08-14
PRIOR APPLICATION NUMBER: EPO 98870139.7
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: EPO 97870122.5
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS: 104
SOFTWARE: PatentIn version 3.0
SEQ ID NO 67
LENGTH: 468
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SYNTHETIC
US-09-485-737B-67

Query Match 86.3%; Score 2172; DB 4; Length 468;

Best Local Similarity 88.0%; Pred. No. 4.5e-159; Indels 4; Gaps 1;
Matches 409; Conservative 20; Mismatches 32;

Qy 6 IILPLVATATGVSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRQAPGGL 65
Db 7 IISPLISASVITLSQVQLVQSGSELEKPGASVVISCKASGYTFTDYMMWKAAPGGGLK 66
Qy 66 WMGEIDPSDSYTNQKFKGRVTTTRDSTSTAYMELSLRSEDTAVYYCARNDYGNM 125
Db 67 WMGINITYTGESYTVDDPKGRFVFSLDTSVAAYLQISSIKABDTATYFCARRGFYA--- 123
Qy 126 YPDWMEGTLVYSSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVYSNMGA 185
Db 124 --MDYWGQGITVYSSASTKGPSPVPLAPSSKSTSGGTAALGCLVKDYFPEPVYSNMGA 182
Qy 186 LTSGVHTFPVAVLQSSGSLYSLSVTVTPSSSLGTQTYICVNNHPSNTKVDKRVKPSCDK 245
Db 183 LTSGVHTFPVAVLQSSGSLYSLSVTVTPSSSLGTQTYICVNNHPSNTKVDKRVKPSCDK 242
Qy 246 THTCPPCPABELLGGPSVFLFPKPKDXTLMISRTPEVTCVVDVSHEDPEVKFNWYDGV 305
Db 243 THTCPPCPABELLGGPSVFLFPKPKDXTLMISRTPEVTCVVDVSHEDPEVKFNWYDGV 302
Qy 306 EVNAKTKPREQYNSTYRVVSVLTVLHOMLNGKEKCKVSNKALPAPTEKTSKAGOP 365
Db 303 EVNAKTKPREQYNSTYRVVSVLTVLHOMLNGKEKCKVSNKALPAPTEKTSKAGOP 362
Qy 366 PREQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLDSG 425
Db 363 PREQVYTLPPSRREMTKNQVSLTCLVKGFPSDIAVEMESNGQPENNYKTTPEVLDSG 422
Qy 426 SFFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 470

Db 423 SFPLYSKLTVDKSRMOQGNVFSCSVMHEALHNHYTOKSLSPGK 467

RESULT 11

US-09-485-737B-90

/ Sequence 90, Application US/09485737B

/ Patent No. 6350860

/ GENERAL INFORMATION:

/ APPLICANT: Buyse, Marie-Angé

/ APPLICANT: Sablon, Erwin

/ TITLE OF INVENTION: INTERFERON-gamma-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,

/ TITLE OF INVENTION: CACHEXIA, IMMUNE DISEASES AND SKIN DISORDERS

/ FILE REFERENCE: INNS-015

/ CURRENT APPLICATION NUMBER: US/09/485,737B

/ CURRENT FILING DATE: 2000-02-14

/ PRIOR APPLICATION NUMBER: PCT/EP 98/05165

/ PRIOR FILING DATE: 1998-08-14

/ PRIOR APPLICATION NUMBER: EPO 98870139.7

/ PRIOR FILING DATE: 1998-06-18

/ PRIOR APPLICATION NUMBER: EPO 97870122.5

/ PRIOR FILING DATE: 1997-08-18

/ NUMBER OF SEQ ID NOS: 104

/ SOFTWARE: PatentIn version 3.0

/ SEQ ID NO 90

/ LENGTH: 711

/ TYPE: PRT

/ ORGANISM: Artificial Sequence

/ FEATURE:

/ OTHER INFORMATION: SYNTHETIC

US-09-485-737B-90

Query Match 86.3%; Score 2172; DB 4; Length 711;

Best Local Similarity 88.0%; Pred. No. 7.9e-159; Matches 409; Conservative 20; Mismatches 32; Indels 4; Gaps 1;

QY 6 IILFLVATATGHSQVQLVQSGAEVKKPGASVKVSCKRQASGTTSTSYMMQWTRQAPGGGLB 65
Db 7 IFSLFLIASAVILISQVQLVQSGSELKPKGASVKISCKASGTTFTDYGMNWKQAPGGGLK 66
QY 66 WMGEIDPSDSTYTNOKPKRVTITRDTSTSTAYMELSLRSEPTAYTCARRDYNNM 125
Db 67 WMGMINTYTGESTYVDPFKRFVPSLDTSVAALQISLKAEDTATYFCARRGFYA--- 123
QY 126 YFVWVGEGTLVTVSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGA 185
Db 124 -MDYWGQITVTVSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGA 182
QY 186 LITSGVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPSGDK 245
Db 183 LITSGVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPSGDK 242
QY 246 THTCPCPAPDELIGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDG 305
Db 243 THTCPCPAPDELIGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDG 302
QY 306 EVNNAKTKPEBOVNSRYRVSVLTVLHDMNLNGEKYCKVSNKALPAPIEKTSKAGQ 365
Db 303 EVNNAKTKPEBOVNSRYRVSVLTVLHDMNLNGEKYCKVSNKALPAPIEKTSKAGQ 362
QY 366 PREPOVTVLPSPREEMTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDG 425
Db 363 PREPOVTVLPSPREEMTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDG 422
QY 426 SFPLYSKLTVDKSRMOQGNVFSCSVMHEALHNHYTOKSLSPGK 470
Db 423 SFPLYSKLTVDKSRMOQGNVFSCSVMHEALHNHYTOKSLSPGK 467

RESULT 12

US-09-301-593-18

/ Sequence 18, Application US/09301593A

/ Patent No. 6455677

/ GENERAL INFORMATION:

/ APPLICANT: Park, John E.

/ APPLICANT: Garin-Chesa, Pilar

/ APPLICANT: Bamberger, Uwe

/ APPLICANT: Leger, Olivier

/ APPLICANT: Saldanha, Jose W.

/ APPLICANT: Rettig, Wolfgang J.

/ TITLE OF INVENTION: PAF-specific Antibody with Improved Productibility

/ FILE REFERENCE: 0652.1890001

/ CURRENT APPLICATION NUMBER: US/09/301,593A

/ CURRENT FILING DATE: 1999-04-29

/ EARLIER APPLICATION NUMBER: EP 98107925.4

/ EARLIER FILING DATE: 1998-04-30

/ EARLIER APPLICATION NUMBER: US 60/086,049

/ EARLIER FILING DATE: 1998-05-18

/ NUMBER OF SEQ ID NOS: 108

/ SOFTWARE: PatentIn Ver. 2.0

/ SEQ ID NO 18

/ LENGTH: 453

/ TYPE: PRT

/ ORGANISM: Homo sapiens

US-09-301-593-18

Query Match 85.4%; Score 2150.5; DB 4; Length 453;

Best Local Similarity 89.4%; Pred. No. 1.9e-157; Matches 405; Conservative 15; Mismatches 30; Indels 3; Gaps 1;

QY 21 VQLVQSGAEVKKPAPASVYKSCKASGTTSTSYMMQWTRQAPGGGLBEMGEIDPSDSTYNN 80
Db 1 VQLVQSGAEVKKPAPASVYKSCKASGTTSTSYMMQWTRQAPGGGLBEMGEIDPSDSTYNN 60
QY 81 QKFKRVTITRDTSTSTAYMELSLRSEPTAYTCARRDYNNM 137
Db 61 QKFKRVTITRDTSTSTAYMELSLRSEPTAYTCARRDYNNM 120
QY 138 VSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGA 197
Db 121 VSSASTKGPVFLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGA 180
QY 198 QSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPSGDK 257
Db 181 QSSGLYSLSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKRVKPSGDK 240
QY 258 LGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDG 317
Db 241 LGSPVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDG 300
QY 318 QYNSTYRVSVLTVLHDMNLNGEKYCKVSNKALPAPIEKTSKAGQPREPOVTVLP 377
Db 301 QYNSTYRVSVLTVLHDMNLNGEKYCKVSNKALPAPIEKTSKAGQPREPOVTVLP 360
QY 378 REEMTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDG 437
Db 361 REEMTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDG 420
QY 438 SRMOQGNVFSCSVMHEALHNHYTOKSLSPGK 470
Db 421 SRMOQGNVFSCSVMHEALHNHYTOKSLSPGK 453

RESULT 13

US-08-793-450-8

/ Sequence 8, Application US/08793450

/ Patent No. 6312690

/ GENERAL INFORMATION:

/ APPLICANT: EDELMAN, LENA

/ APPLICANT: MARGARITTE, CHRISTEL

/ APPLICANT: KACZOREK, MICHEL

/ APPLICANT: CHABIBI, HASSAN

/ TITLE OF INVENTION: MONOCLONAL RECOMBINANT ANTI-RHESUS D

/ NUMBER OF SEQUENCES: 25

/ CORRESPONDENCE ADDRESS:

/ ADDRESSEE: OBLON, SPIVAK, MCCLLELLAND, MAIER & NEUSTADT,

Qy 437 KSRWQGNVFSVCSVMHBAHNNHTOKSLSPGK 470
 Db 421 KSRWQGNVFSVCSVMHBAHNNHTOKSLSPGK 454

RESULT 15

US-08-437-642B-22
 ; Sequence 22, Application US/08437642B
 ; Patent No. 6054297

GENERAL INFORMATION:

APPLICANT: Paul J. Carter
 APPLICANT: Leonard G. Presta
 TITLE OF INVENTION: Immunoglobulin Variants
 NUMBER OF SEQUENCES: 47
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WinPatIn (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/437,642B
 FILING DATE: 09-May-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/934373
 FILING DATE: 21-AUG-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/146206
 FILING DATE: 17-NOV-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US92/05126
 FILING DATE: 15-JUN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/715272
 FILING DATE: 14-JUN-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 40,378
 REFERENCE/DOCKET NUMBER: P0709P2C1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1994
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:
 LENGTH: 454 amino acids
 TYPE: Amino Acid
 TOPOLOGY: linear
 WS-08-437-642B-22

Query Match 85.1%; Score 2142.5; DB 3; Length 454;
 Best Local Similarity 88.3%; Pred. No. 8e-157;
 Matches 401; Conservative 20; Mismatches 30; Indels 3; Gaps 1;

Qy 20 QVQLVQSGAEVKKGQKKGVYKSKRSGYTPTSYMMQWVROAPGQGLEWMGEBIDPSDSTNY 79
 Db 1 QVQLVQSGAEVKKGQKKGVYKSKRSGYTPTSYMMQWVROAPGQGLEWMGEBIDPSDSTNY 60
 Qy 80 NQKFKGVITITRDISTSTAYMELSLRSBDPAVYVCARNRDYSNNW--YFDVWGEGTLV 136
 Db 61 NQKFKGVITITRDISTSTAYMELSLRSBDPAVYVCARNRDYSNNW--YFDVWGEGTLV 120
 Qy 137 TVSSASTKGSVPFLASPKSKTSCTALGLVQYFPEPTVSNNGALTSVHTTPAV 196
 Db 121 TVSSASTKGSVPFLASPKSKTSCTALGLVQYFPEPTVSNNGALTSVHTTPAV 180

Qy 197 LQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSNKALPAIEKTSKAGQPREPQVTLTP 256
 Db 181 LQSSGLYSLSVTVTPSSSLGTQTYICNVNHPKSNKALPAIEKTSKAGQPREPQVTLTP 240
 Qy 257 LIGGSPVFLPPPKDXTLMSRTPETVCVVVDVSHEDPEVFNMYVDGVEVNAKTKPRE 316
 Db 241 LIGGSPVFLPPPKDXTLMSRTPETVCVVVDVSHEDPEVFNMYVDGVEVNAKTKPRE 300
 Qy 317 EGVNSTYRVSVTLVTLHODMLNGEKYCKVSNKALPAIEKTSKAGQPREPQVTLTP 376
 Db 301 EGVNSTYRVSVTLVTLHODMLNGEKYCKVSNKALPAIEKTSKAGQPREPQVTLTP 360
 Qy 377 SREMTNQSLSITCLVKGFPYPSDIAVWESNGQPENNYKTPPYLDSDGSPFLYSKLTVD 436
 Db 361 SREMTNQSLSITCLVKGFPYPSDIAVWESNGQPENNYKTPPYLDSDGSPFLYSKLTVD 420
 Qy 437 KSRWQGNVFSVCSVMHBAHNNHTOKSLSPGK 470
 Db 421 KSRWQGNVFSVCSVMHBAHNNHTOKSLSPGK 454

Search completed: February 20, 2004, 13:35:12
 Job time : 16.5872 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 20, 2004, 13:31:02 ; Search time 35.6422 Seconds
(without alignments)
2761.047 Million cell updates/sec

Title: US-09-499-662-157

Perfect score: 2518
Sequence: 1 MGSCTILFLVATATGVHSQ.....MEBALNHVYQKSLSPCK 470

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Published Applications AA.*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2518	100.0	470	US-10-384-933-157	Sequence 157, App
2	2518	100.0	470	US-10-216-484-157	Sequence 157, App
3	2498	99.2	470	US-10-384-933-117	Sequence 117, App
4	2498	99.2	470	US-10-384-933-147	Sequence 147, App
5	2498	99.2	470	US-10-216-484-117	Sequence 117, App
6	2498	99.2	470	US-10-216-484-147	Sequence 147, App
7	2497	99.2	470	US-10-384-933-145	Sequence 145, App
8	2497	99.2	470	US-10-216-484-145	Sequence 145, App
9	2495	99.1	470	US-10-384-933-143	Sequence 143, App
10	2495	99.1	470	US-10-216-484-143	Sequence 143, App
11	2485	98.7	470	US-10-384-933-89	Sequence 89, App1
12	2485	98.7	470	US-10-216-484-89	Sequence 89, App1
13	2363.5	93.9	731	US-09-825-012-46	Sequence 46, App1
14	2363.5	93.9	741	US-09-825-012-55	Sequence 55, App1
15	2358.5	93.7	729	US-09-825-012-52	Sequence 52, App1

16	2358.5	93.7	739	10	US-09-825-012-61	Sequence 61, App1
17	2352.5	93.4	730	10	US-09-825-012-49	Sequence 49, App1
18	2352.5	93.4	740	10	US-09-825-012-58	Sequence 58, App1
19	2283.5	90.7	469	12	US-10-377-121-18	Sequence 18, App1
20	2278.5	90.5	469	12	US-10-377-121-22	Sequence 22, App1
21	2272.5	90.3	467	12	US-10-353-708-41	Sequence 41, App1
22	2272.5	90.3	467	12	US-10-353-708-47	Sequence 47, App1
23	2272.5	90.3	467	12	US-10-353-708-59	Sequence 59, App1
24	2272.5	90.3	467	15	US-10-171-4528-41	Sequence 41, App1
25	2272.5	90.3	467	15	US-10-171-4528-47	Sequence 47, App1
26	2272.5	90.3	467	15	US-10-171-4528-59	Sequence 59, App1
27	2270	90.2	476	12	US-10-225-108A-16	Sequence 16, App1
28	2270	90.2	476	12	US-10-461-148-9	Sequence 9, App1
29	2269.5	90.1	467	15	US-10-353-708-53	Sequence 53, App1
30	2269.5	90.1	467	15	US-10-171-4528-53	Sequence 53, App1
31	2269	90.1	476	10	US-09-747-669-3	Sequence 3, App1
32	2269	90.1	476	15	US-10-290-703-3	Sequence 3, App1
33	2245	89.2	472	12	US-10-159-006-43	Sequence 43, App1
34	2242.5	89.1	489	12	US-10-104-047-3329	Sequence 3329, App
35	2239.5	88.9	448	12	US-10-353-708-48	Sequence 48, App1
36	2239.5	88.9	448	15	US-10-353-708-60	Sequence 60, App1
37	2239.5	88.9	448	15	US-10-171-4528-48	Sequence 48, App1
38	2239.5	88.9	448	15	US-10-171-4528-60	Sequence 60, App1
39	2236.5	88.8	448	12	US-10-353-708-42	Sequence 42, App1
40	2236.5	88.8	448	12	US-10-353-708-54	Sequence 54, App1
41	2236.5	88.8	448	15	US-10-171-4528-42	Sequence 42, App1
42	2236.5	88.8	448	15	US-10-171-4528-54	Sequence 54, App1
43	2235	88.8	476	12	US-10-409-938-15	Sequence 15, App1
44	2220	88.2	468	12	US-10-377-109-2	Sequence 2, App1
45	2217.5	88.1	477	12	US-10-108-260A-4289	Sequence 4289, App

ALIGNMENTS

RESULT 1
US-10-384-933-157
Sequence 157, Application US/10384933
Publication No. US20030170817A1ufusa
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antidodies
FILE REFERENCE: 980126CJP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/459,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 157
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed
OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-384-933-157

Query Match 100.0%; Score 2518; DB 12; Length 470;
Best Local Similarity 100.0%; Pred. No. 9, 1e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSCTILFLVATATGVHSQVOLVQSGAAYKKPASAIVKSCXSGYFTSTWMMQWQAP 60
DB 1 MGSCTILFLVATATGVHSQVOLVQSGAAYKKPASAIVKSCXSGYFTSTWMMQWQAP 60
QY 61 GGGLEMMGEIDPDSYTNVQKFGKGRVITITDITSTAYMELSLRSEDFAVYCAARRD 120

Db 61 GGGLEMMGEIDPSSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
Qy 121 YSNMWFEDVWGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVVDYFPEPTVS 180
Db 121 YSNMWFEDVWGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVVDYFPEPTVS 180
Qy 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPSTNTKVDKREVP 240
Db 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPSTNTKVDKREVP 240
Qy 241 KSCDKHTHCPCPAPBELLGGPSVFLFPPPKDITLMSRTEPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGGPSVFLFPPPKDITLMSRTEPEVTCVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Qy 421 LDDSGSFFLYSKLTVDKSRWQGNVFSGVMEHALHNHTYQKSLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRWQGNVFSGVMEHALHNHTYQKSLSPGK 470

RESULT 2

US-10-216-484-157
; Sequence 157, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 157
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed
; OTHER INFORMATION: heavy chain of humanized anti-Fas antibody
US-10-216-484-157

Query Match 100.0%; Score 2518; DB 15; Length 470;
Best Local Similarity 100.0%; Pred. No. 9,1e-166;
Matches 470; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
Db 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
Db 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
Qy 121 YSNMWFEDVWGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVVDYFPEPTVS 180
Db 121 YSNMWFEDVWGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVVDYFPEPTVS 180
Qy 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPSTNTKVDKREVP 240
Db 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPSTNTKVDKREVP 240

Db 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPSTNTKVDKREVP 240
Qy 241 KSCDKHTHCPCPAPBELLGGPSVFLFPPPKDITLMSRTEPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGGPSVFLFPPPKDITLMSRTEPEVTCVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Qy 421 LDDSGSFFLYSKLTVDKSRWQGNVFSGVMEHALHNHTYQKSLSPGK 470
Db 421 LDDSGSFFLYSKLTVDKSRWQGNVFSGVMEHALHNHTYQKSLSPGK 470

RESULT 3

US-10-384-933-117
; Sequence 117, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 117
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-117

Query Match 99.2%; Score 2498; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 2,2e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
Db 1 MGSCTILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWRQAP 60
Qy 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
Db 61 GGGLEMMGEIDPSDSTYNNQKFKGRVTTTDTSTSTAYMELSLRSEDPAVYVCARRND 120
Qy 121 YSNMWFEDVWGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVVDYFPEPTVS 180
Db 121 YSNMWFEDVWGEGLTVTVSSASTKGPVFPPLAPSSKSTSGGTALGCLVVDYFPEPTVS 180
Qy 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPSTNTKVDKREVP 240
Db 181 WNSGALTSVGHTPPAVLQSSGLYSLSVTVVPSSSLGTQTYICNVNHPSTNTKVDKREVP 240
Qy 241 KSCDKHTHCPCPAPBELLGGPSVFLFPPPKDITLMSRTEPEVTCVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTHCPCPAPBELLGGPSVFLFPPPKDITLMSRTEPEVTCVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNATKPREBOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360

Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 QY 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFPSPDIAVWESNGOPENNYKTTTPV 420
 Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFPSPDIAVWESNGOPENNYKTTTPV 420
 QY 421 LDDSGSFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSLSPGK 470
 Db 421 LDDSGSFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSLSPGK 470

RESULT 4
 US-10-384-933-147
 ; Sequence 147, Application US/10384933
 ; Publication No. US20030170817A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030170817A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT FILING DATE: US/10/384,933
 ; PRIOR FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 147
 ; LENGTH: 470
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-384-933-147

Query Match 99.2%; Score 2498; DB 12; Length 470;
 Best Local Similarity 98.9%; Pred. No. 2.2e-164;
 Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMMQWVRQAP 60
 Db 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMMQWVRQAP 60
 QY 61 GQGLEWMEGIDPSDSYNNQKFKGRVTITRDISTSTAYMELSLRSEDTAVYYCARND 120
 Db 61 GQGLEWMEGIDPSDSYNNQKFKGRVTITRDISTSTAYMELSLRSEDTAVYYCARND 120
 QY 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 Db 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 QY 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 Db 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 QY 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 Db 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 QY 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 Db 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 QY 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 QY 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 QY 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFPSPDIAVWESNGOPENNYKTTTPV 420
 Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFPSPDIAVWESNGOPENNYKTTTPV 420
 QY 421 LDDSGSFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSLSPGK 470
 Db 421 LDDSGSFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSLSPGK 470

Db 421 LDDSGSFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSLSPGK 470

RESULT 5
 US-10-216-484-117
 ; Sequence 117, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Serizawa, No. US20030103976A1ufusa
 ; APPLICANT: Haruyama, Hideyuki
 ; APPLICANT: Nakahara, Kaori
 ; APPLICANT: Tamaki, Ikuko
 ; APPLICANT: Takahashi, Tohru
 ; TITLE OF INVENTION: Anti-Fas Antibodies
 ; FILE REFERENCE: 980126CIP/HG
 ; CURRENT FILING DATE: US/10/216,484
 ; PRIOR FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US/09/499,662
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: US 09/053,583
 ; PRIOR FILING DATE: 1998-04-01
 ; NUMBER OF SEQ ID NOS: 165
 ; SEQ ID NO 117
 ; LENGTH: 470
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
 ; OTHER INFORMATION: chain of humanized anti-Fas antibody
 US-10-216-484-117

Query Match 99.2%; Score 2498; DB 15; Length 470;
 Best Local Similarity 98.9%; Pred. No. 2.2e-164;
 Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMMQWVRQAP 60
 Db 1 MGMSCTILFLVATATGHSQVQLVQSGAEVKKPGASVKYSCKASGTFSTSYMMQWVRQAP 60
 QY 61 GQGLEWMEGIDPSDSYNNQKFKGRVTITRDISTSTAYMELSLRSEDTAVYYCARND 120
 Db 61 GQGLEWMEGIDPSDSYNNQKFKGRVTITRDISTSTAYMELSLRSEDTAVYYCARND 120
 QY 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 Db 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 QY 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 Db 121 YSNNNYFDVWGEGTLVYSSASTKGPVFLPAPSSKSTSGGTALGCLVQDYFPEPVTVS 180
 QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 QY 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPPSSSLGTQTYICNVNKKPSNTKVDKRV 240
 QY 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 Db 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 QY 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 Db 241 KSCDKHTHTCPCPAPBELLGSPSVFLPFPKPKDTLMISRTPEVTCVAVDVSHEDEVEKFNW 300
 QY 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 QY 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 Db 301 YVDGVEVHNAAKTPREBOYNSTRVVSVLTVLHODWLNKGEYKCVSNKALPAPIEKTIS 360
 QY 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFPSPDIAVWESNGOPENNYKTTTPV 420
 Db 361 KAKGQPREPOVYTLPPSRREMTKNQVSLCLVKGFPSPDIAVWESNGOPENNYKTTTPV 420
 QY 421 LDDSGSFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSLSPGK 470
 Db 421 LDDSGSFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSLSPGK 470

RESULT 6
 US-10-216-484-147
 ; Sequence 147, Application US/10216484
 ; Publication No. US20030103976A1
 ; GENERAL INFORMATION:

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; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

Query Match          99.2%; Score 2498; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 2,6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQVLVOSGAEVKKPGASVYKSCASGYTFTSYMMQWVROAP 60
DB 1 MGWSCIILFLVATATGVHSQVQVLVOSGAEVKKPGASVYKSCASGYTFTSYMMQWVROAP 60
QY 61 GGGLFMWGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMEISLSRSEDTAVYTCARNRD 120
DB 61 GGGLFMWGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMEISLSRSEDTAVYTCARNRD 120
QY 121 YSNMNYFDWVGEGTLVYVSASTKGPSPVPLAPSSKSTSGTALGCLVYDYPEPVTYS 180
DB 121 YSNMNYFDWVGEGTLVYVSASTKGPSPVPLAPSSKSTSGTALGCLVYDYPEPVTYS 180
QY 181 WNSGALTSQVHTFPFPAVLOSGGLYSLSVYTVPSSSIGTQTYICNVNPKSNTKVDKRV 240
DB 181 WNSGALTSQVHTFPFPAVLOSGGLYSLSVYTVPSSSIGTQTYICNVNPKSNTKVDKRV 240
QY 241 KSCDKHTHCPCPAPPELLGGSVFLFPPPKDXTLMISRTPEVTCVVDVSHEDPEYKFNW 300
DB 241 KSCDKHTHCPCPAPPELLGGSVFLFPPPKDXTLMISRTPEVTCVVDVSHEDPEYKFNW 300
QY 301 YVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREQVYTLTPSRREMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
DB 361 KAKGQPREQVYTLTPSRREMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 470

RESULT 7
US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
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; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145

Query Match          99.2%; Score 2497; DB 12; Length 470;
Best Local Similarity 98.9%; Pred. No. 2,6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQVLVOSGAEVKKPGASVYKSCASGYTFTSYMMQWVROAP 60
DB 1 MGWSCIILFLVATATGVHSQVQVLVOSGAEVKKPGASVYKSCASGYTFTSYMMQWVROAP 60
QY 61 GGGLFMWGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMEISLSRSEDTAVYTCARNRD 120
DB 61 GGGLFMWGEIDPSDSYTYNOKFKGKAVITTRDTSTAYMEISLSRSEDTAVYTCARNRD 120
QY 121 YSNMNYFDWVGEGTLVYVSASTKGPSPVPLAPSSKSTSGTALGCLVYDYPEPVTYS 180
DB 121 YSNMNYFDWVGEGTLVYVSASTKGPSPVPLAPSSKSTSGTALGCLVYDYPEPVTYS 180
QY 181 WNSGALTSQVHTFPFPAVLOSGGLYSLSVYTVPSSSIGTQTYICNVNPKSNTKVDKRV 240
DB 181 WNSGALTSQVHTFPFPAVLOSGGLYSLSVYTVPSSSIGTQTYICNVNPKSNTKVDKRV 240
QY 241 KSCDKHTHCPCPAPPELLGGSVFLFPPPKDXTLMISRTPEVTCVVDVSHEDPEYKFNW 300
DB 241 KSCDKHTHCPCPAPPELLGGSVFLFPPPKDXTLMISRTPEVTCVVDVSHEDPEYKFNW 300
QY 301 YVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
DB 301 YVDGVEVNAKTKPREEOYNSTYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREQVYTLTPSRREMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
DB 361 KAKGQPREQVYTLTPSRREMTKNQVSLTCLVKGFPSPDIAYVESNGQPENNYKTTTPV 420
QY 421 LDSGSEFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 470
DB 421 LDSGSEFLYSKLTVDKSRMOQGNVFCSCVMHEALHNHYTOKSLSPGK 470

RESULT 8
US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
```

TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145

Query Match 99.2%; Score 2497; DB 15; Length 470;
Best Local Similarity 98.9%; Pred. No. 2,6e-164;
Matches 465; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSYTNYNQKFKGKAVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPDSYTNYNQKFKGKAVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
QY 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
DB 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
DB 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
QY 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKPREBOYNSTYRVVSVLTVLRHQMNLNGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREBOYNSTYRVVSVLTVLRHQMNLNGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTTIPV 420
DB 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTTIPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 9
US-10-384-933-143
Sequence 143, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-143

Query Match 99.1%; Score 2495; DB 12; Length 470;

Best Local Similarity 98.7%; Pred. No. 3.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSYTNYNQKFKGKAVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
DB 61 GQGLEMMGEIDPDSYTNYNQKFKGKAVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120
QY 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
DB 121 YSNMNYFDVWBGEGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS 180
QY 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
DB 181 WNSGALTSGVHTFPAYLQSSGLYSLSVTVPSSSLGTQTYICNVNHPKSTKVDKVERP 240
QY 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
DB 241 KSCDKHTHCPCPAPPELLGGPSVFLFPPPKDITLMISTRPEYTCVVDVSHEDPEVKFNW 300
QY 301 YVDGEVHNATKPREBOYNSTYRVVSVLTVLRHQMNLNGEKYCKVSNKALPAPIEKTIS 360
DB 301 YVDGEVHNATKPREBOYNSTYRVVSVLTVLRHQMNLNGEKYCKVSNKALPAPIEKTIS 360
QY 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTTIPV 420
DB 361 KAKGQPREPQVYTLPPSRREMTKNQVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTTIPV 420
QY 421 LDSGSPFLYSKLTVDKSRMQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470
DB 421 LDSGSPFLYSKLTVDKSRMQGNVFCSCVMHEALHNHYTQKSLSLSPGK 470

RESULT 10
US-10-216-484-143
Sequence 143, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 143
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143

Query Match 99.1%; Score 2495; DB 15; Length 470;
Best Local Similarity 98.7%; Pred. No. 3.5e-164;
Matches 464; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
DB 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGTTFTSYMMQWVQAP 60
QY 61 GQGLEMMGEIDPDSYTNYNQKFKGKAVITTRDTSTSTAYAMELSLSRSEDTAVYYCARND 120

```
Db 61 GGGLEWMBEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Qy 121 YSNMWYDWMGEGLTVTSASATKGPVFPPLAPSSKSTSGTAAAGCLVQDYFPEPTVS 180
Db 121 YSNMWYDWMGEGLTVTSASATKGPVFPPLAPSSKSTSGTAAAGCLVQDYFPEPTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSVYTVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSVYTVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Qy 241 KSCDKHTPCPCPAPBELLGSPSVFLFPKPKDITLMSRTEPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCPAPBELLGSPSVFLFPKPKDITLMSRTEPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAKTKPREEOYNSTYRVVSVLTTLHQMNLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKPREEOYNSTYRVVSVLTTLHQMNLNGKEYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Db 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Qy 421 LDDSGSFLLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
Db 421 LDDSGSFLLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
```

RESULT 11

```
US-10-384-933-89
; Sequence 89, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-89
```

Query Match 98.7%; Score 2485; DB 12; Length 470;

Best Local Similarity 98.5%; Pred. No. 1.7e-163;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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Qy 1 MWSGCIILFLVATATGVSQVQLVQSGAEVKKPKGASVSKSCASGYTFTSYMMQWVRQAP 60
Db 1 MWSGCIILFLVATATGVSQVQLVQSGAEVKKPKGASVSKSCASGYTFTSYMMQWVRQAP 60
Qy 61 GGGLEWMBEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GGGLEWMBEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Qy 121 YSNMWYDWMGEGLTVTSASATKGPVFPPLAPSSKSTSGTAAAGCLVQDYFPEPTVS 180
Db 121 YSNMWYDWMGEGLTVTSASATKGPVFPPLAPSSKSTSGTAAAGCLVQDYFPEPTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSVYTVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSVYTVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
```

```
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSVYTVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Qy 241 KSCDKHTPCPCPAPBELLGSPSVFLFPKPKDITLMSRTEPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCPAPBELLGSPSVFLFPKPKDITLMSRTEPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAKTKPREEOYNSTYRVVSVLTTLHQMNLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKPREEOYNSTYRVVSVLTTLHQMNLNGKEYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Db 361 KAKGQPREPQVYTLPPSRHEMTKNQVSLTCLVKGFYPSDIAVWESNQGPENNYKTTPPV 420
Qy 421 LDDSGSFLLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
Db 421 LDDSGSFLLYSKLTVDKSRMQQGNVSCVMHEALHNYTKSLSPGK 470
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RESULT 12

```
US-10-216-484-89
; Sequence 89, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 89
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-89
```

Query Match 98.7%; Score 2485; DB 15; Length 470;

Best Local Similarity 98.5%; Pred. No. 1.7e-163;

Matches 463; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```
Qy 1 MWSGCIILFLVATATGVSQVQLVQSGAEVKKPKGASVSKSCASGYTFTSYMMQWVRQAP 60
Db 1 MWSGCIILFLVATATGVSQVQLVQSGAEVKKPKGASVSKSCASGYTFTSYMMQWVRQAP 60
Qy 61 GGGLEWMBEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Db 61 GGGLEWMBEIDPSSTYNNQKFKGKATLTVDTSSTAYMELSLRSEDTAVYYCARNRD 120
Qy 121 YSNMWYDWMGEGLTVTSASATKGPVFPPLAPSSKSTSGTAAAGCLVQDYFPEPTVS 180
Db 121 YSNMWYDWMGEGLTVTSASATKGPVFPPLAPSSKSTSGTAAAGCLVQDYFPEPTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSVYTVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSVYTVPSSSLGTQTYICNVNHRKPSNTKVDKVERP 240
Qy 241 KSCDKHTPCPCPAPBELLGSPSVFLFPKPKDITLMSRTEPEVTCVVVDVSHEDPEVKFNW 300
Db 241 KSCDKHTPCPCPAPBELLGSPSVFLFPKPKDITLMSRTEPEVTCVVVDVSHEDPEVKFNW 300
Qy 301 YVDGVEVHNAKTKPREEOYNSTYRVVSVLTTLHQMNLNGKEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKPREEOYNSTYRVVSVLTTLHQMNLNGKEYCKVSNKALPAPIEKTIS 360
```

Db 301 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 360
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 420
Qy 421 LDSGSGFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSPGK 470
Db 421 LDSGSGFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSPGK 470

RESULT 13

US-09-825-012-46
; Sequence 46, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 731
; TYPE: PRF
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
US-09-825-012-46

Query Match 93.9%; Score 2363.5; DB 10; Length 721;
Best local Similarity 93.6%; Pred. No. 7e-155;
Matches 440; Conservative 19; Mismatches 8; Indels 3; Gaps 1;

Qy 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRQAP 60
Db 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRQAP 60
Qy 61 GQGLEWVGEIDPSSTYNNQKRGVITTRDSTSTAYMEISLRSEDTAVYYCARND 120
Db 61 GQGLEWVGEIDPSSTYNNQKRGVITTRDSTSTAYMEISLRSEDTAVYYCARND 120
Qy 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 240
Qy 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 237
Db 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 237
Qy 241 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Db 241 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Qy 238 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Db 238 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Qy 301 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 360
Qy 298 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 357
Db 298 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 357
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 420
Qy 421 LDSGSGFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSPGK 470
Db 421 LDSGSGFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSPGK 470

RESULT 14

US-09-825-012-55
; Sequence 55, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: GB 0008049.9
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 741
; TYPE: PRF
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Humanised HMFgl heavy chain - DNase I fusion
US-09-825-012-55

Query Match 93.9%; Score 2363.5; DB 10; Length 741;
Best local Similarity 93.6%; Pred. No. 7.1e-155;
Matches 440; Conservative 19; Mismatches 8; Indels 3; Gaps 1;

Qy 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRQAP 60
Db 1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMMQWVRQAP 60
Qy 61 GQGLEWVGEIDPSSTYNNQKRGVITTRDSTSTAYMEISLRSEDTAVYYCARND 120
Db 61 GQGLEWVGEIDPSSTYNNQKRGVITTRDSTSTAYMEISLRSEDTAVYYCARND 120
Qy 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Db 121 YSNMWYFDVWGEGTLVTVSSASTKGPSVPLAPSSKSTSGGTAALGCLVQDYFPEPTVS 180
Qy 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 240
Db 181 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 240
Qy 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 237
Db 178 WNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNKLVDRKVER 237
Qy 241 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Db 241 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 300
Qy 238 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Db 238 KSCDKHTHTCPGPCAPBELIGSPSVFLPPPKKDTLMISTRPEVTCVVDVSHEDPEYKFNW 297
Qy 301 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 360
Db 301 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 360
Qy 298 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 357
Db 298 YVDGVEVHNAKTKPREBOYNSTYRVSVLTVLHODWLNKGEYCKVSNKALPAPIEKTIS 357
Qy 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 420
Db 361 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 420
Qy 358 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 417
Db 358 KAKGQPREPOVYTLTPPSREEMTKNOVSLTCLVKGFPSPDIAVWESNQGPPENNYKTTTPV 417
Qy 421 LDSGSGFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSPGK 470
Db 421 LDSGSGFFLYSKLTVDKSRMOQGNVSCSVMEALHNHYTOKSLSPGK 470

RESULT 15

US-09-825-012-52
; Sequence 52, Application US/09825012
; Patent No. US20020122798A1
; GENERAL INFORMATION:
; APPLICANT: Young, Robert
; TITLE OF INVENTION: Compounds for Targeting
; FILE REFERENCE: 43191-256808
; CURRENT APPLICATION NUMBER: US/09/825,012
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/237,159
; PRIOR FILING DATE: 2000-10-02

PRIOR APPLICATION NUMBER: GB 0008049.9
 PRIOR FILING DATE: 2000-04-03
 NUMBER OF SEQ ID NOS: 102
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 52
 LENGTH: 729
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURES:
 OTHER INFORMATION: Humanised HMFg1 heavy chain - DNase I fusion
 US-09-825-012-52

Query Match 93.7%; Score 2358.5; DB 10; Length 729;
 Best Local Similarity 93.6%; Pred. No. 1.5e-154;
 Matches 439; Conservative 19; Mismatches 8; Indels 3; Gaps 1;

QY 1 MGWSCIILFLVATATGCHQVQLVQSGAEVKKPKGASVKKVSCKASGYTFTSYMMQMWRQAP 60
 DB 1 MGWSCIILFLVATATGCHQVQLVQSGAEVKKPKGASVKKVSCKASGYTFTSAWIEMWRQAP 60
 QY 61 GQGLEMMGRIIDPSDSTYNTNOKFKGRVTITRDSTSTAVMELSLRSEDTAVYYCARND 120
 DB 61 GQGLEMMGRIIDPSDSTYNTNOKFKGRVTITRDSTSTAVMELSLRSEDTAVYYCARND 120
 QY 121 YSNMYFDVWGEGTLVTSSASTKGPSVFPPLAPSSKTSKGTALGCLVVDYFPEPTVS 180
 DB 121 YSNMYFDVWGEGTLVTSSASTKGPSVFPPLAPSSKTSKGTALGCLVVDYFPEPTVS 177
 QY 121 FA--WFAWGGQTLVTSSASTKGPSVFPPLAPSSKTSKGTALGCLVVDYFPEPTVS 177
 DB 121 FA--WFAWGGQTLVTSSASTKGPSVFPPLAPSSKTSKGTALGCLVVDYFPEPTVS 177
 QY 161 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNMHKPSNTKYDKVER 240
 DB 161 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNMHKPSNTKYDKVER 240
 QY 178 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNMHKPSNTKYDKVER 237
 DB 178 WNSGALTSVHTFPFPAVLQSSGLYSLSVTVTPSSSLGTQYICVNMHKPSNTKYDKVER 237
 QY 241 KSCDKHTCPCPAPELIGSPSVFLPPPKPDITLMSRTEPVTGVVDVSHEDPEVKFNW 300
 DB 241 KSCDKHTCPCPAPELIGSPSVFLPPPKPDITLMSRTEPVTGVVDVSHEDPEVKFNW 297
 QY 238 KSCDKHTCPCPAPELIGSPSVFLPPPKPDITLMSRTEPVTGVVDVSHEDPEVKFNW 297
 DB 238 KSCDKHTCPCPAPELIGSPSVFLPPPKPDITLMSRTEPVTGVVDVSHEDPEVKFNW 297
 QY 301 YVDGVEVHNAKTPREBQYNSTYRVSVLTIVLHODWLNKKEYCKVSNKALPAPIEKTIS 360
 DB 301 YVDGVEVHNAKTPREBQYNSTYRVSVLTIVLHODWLNKKEYCKVSNKALPAPIEKTIS 357
 QY 298 YVDGVEVHNAKTPREBQYNSTYRVSVLTIVLHODWLNKKEYCKVSNKALPAPIEKTIS 357
 DB 298 YVDGVEVHNAKTPREBQYNSTYRVSVLTIVLHODWLNKKEYCKVSNKALPAPIEKTIS 357
 QY 361 KAKGQPREPOVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV 420
 DB 361 KAKGQPREPOVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV 417
 QY 358 KAKGQPREPOVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV 417
 DB 358 KAKGQPREPOVYTLPPSRREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPV 417
 QY 421 LQSDGSFPLYSKLTVDKSRMQQGNVFCSVYHEALHNHYTQKSLSLSPG 469
 DB 421 LQSDGSFPLYSKLTVDKSRMQQGNVFCSVYHEALHNHYTQKSLSLSPG 466
 QY 418 LQSDGSFPLYSKLTVDKSRMQQGNVFCSVYHEALHNHYTQKSLSLSPG 466
 DB 418 LQSDGSFPLYSKLTVDKSRMQQGNVFCSVYHEALHNHYTQKSLSLSPG 466

Search completed: February 20, 2004, 14:25:42
 Job time : 37.6422 secs